BLDI Environmental Engineering | *Working for you*

Site Status Report

Former City of Lowell Landfill

0 Ware Road

Boston Township, Ionia County, Michigan

Presented to:

EGLE Remediation and Redevelopment Division
Grand Rapids District Office
Grand Rapids, Michigan

On Behalf of:

City of Lowell
301 East Main Street
Lowell, Michigan 49331

December 21, 2021

BLDI Project No.: 194688.20

Prepared by BLDI, Inc.
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1.0 INTRODUCTION AND BACKGROUND

The former City of Lowell Landfill is located at 0 Ware Road in Boston Township, Ionia County, Michigan (Facility). The Facility is an inactive landfill for which the exact period of operation is not accurately known. However, the earliest license available from EGLE records indicates an application approved on June 13, 1966.

The landfill was officially closed on January 20, 1983. During its operation the landfill was cited by Ionia County Health Department (ICHD) for select regulatory noncompliance issues (e.g., numerous facility management and maintenance violations recorded). In early 1986, it was determined by the ICHD and the Michigan Department of Natural Resources (MDNR) that the Lowell City Landfill could be eligible for a hydrogeological study to be funded under the Clean Michigan Fund. The investigation that was conducted is described in the 1987 Hydrogeological Investigation report prepared by EIS Environmental Engineers, Inc. (EIS).

This report documents the activities that were conducted at the Facility by BLDI, Inc. (BLDI) since the submittal of the April 2021 Site Status Report (SSR). BLDI has performed the following activities since the submittal of the SSR for the Facility:

- Installation of five monitoring wells including documenting soil conditions – April 2021
- Groundwater elevation survey and groundwater sampling event – September 2021
- Monitoring well top-of-casing elevation survey – November 2021

The following sections of this report detail the methodology and outcome of the activities performed during this reporting period.

2.0 ACTIVITIES COMPLETED

2.1 Monitoring Well Installation Event

In April 2021, BLDI installed five soil borings, all of which were completed as monitoring wells at the Facility. All the monitoring wells were installed using hollow-stem auger methods and were advanced to a maximum depth of 102 feet below the ground surface (bgs).

Soils in the vadose zone consist of primarily sand with intermittent intervals of loamy sand, sandy loam, silty loam, clay, and silty clay loam. Cross-sections depicting the soils encountered during the event are presented as Figures 6A and 6B. Vadose soils became saturated at depths between approximately 33 and 68 feet bgs within the borings. The soil boring logs are presented in Appendix B. Locations of the soil borings and monitoring wells are depicted on Figure 2 (Facility Layout Map).

Soils were field screened throughout the borings using a MiniRAE model 3000, 10.6 eV PID and through visual and olfactory indicators to identify any contaminated intervals. At a minimum, a soil sample was collected from each of the monitoring well clusters and single monitoring well

locations from the depth interval exhibiting the greatest evidence of contamination, regardless of the degree of saturation. Additional soil samples were collected from each of the monitoring well clusters to characterize the soil conditions at the Facility.

The soil samples were collected and preserved in accordance with United States Environmental Protection Agency (US EPA) Method 5035, placed in an iced cooler, and submitted to Fibertec for laboratory analysis of volatile organic compounds (VOCs). A summary of the soil analytical results are presented on Table 3 with the maximum detected concentrations compared to their respective Part 201 Generic Residential Cleanup Criteria (GRCC) on Table 1. The detected compounds are also presented by location on Figure 4. The laboratory reports from the soil samples are presented in Appendix A. The analytical results are discussed in Section 3.2 below.

2.2 Groundwater Monitoring Activities

2.2.1 Depth to Groundwater Survey and Groundwater Flow Direction

A static water elevation survey was conducted on September 9, 2021. Each monitoring well was accessed and allowed to equilibrate prior to measuring the static water table elevation. The depth to groundwater for each well was then measured using an electronic tape and recorded. The results of the elevation survey are presented on Table 5.

From the field data collected, the water table elevation for each monitoring well was determined and groundwater elevation contours prepared. Figures 5A, 5B, and 5C illustrate the resulting groundwater flow contour maps developed from the September 2021 field data. Overall, the groundwater flow direction documented at the Facility indicates that the predominant groundwater flow direction is to the north/northeast within the shallow, deep, and deep, deep wells.

2.2.2 Groundwater Sampling

In September 2021, BLDI conducted a groundwater monitoring investigation utilizing sampling methods in accordance with both the Michigan Department of Environment, Great Lakes, and Energy (EGLE) and United States Environmental Protection Agency (USEPA) guidance. For the five monitoring wells installed since the submittal of the April 2021 SSR, and for MW-3DD, groundwater samples representative of formation water were collected using low flow groundwater sampling techniques. The low flow method employed a submersible pump operated at approximately 0.5 liters per minute and demonstrated to be at a pumping rate that would not produce draw down of the water elevation in the well.

Groundwater temperature, conductivity, pH, oxidation/reduction potential, and dissolved oxygen content were all monitored and allowed to equilibrate prior to groundwater sample collection. Groundwater samples were collected from MW-3DD, MW-8, MW-9, MW-10, MW-11, and MW-12 in September 2021. Groundwater samples were collected in accordance with low flow sampling methods, as specified in Attachment 5 of the former EGLE Remediation and

Redevelopment Division (RRD) Operational Memorandum No. 2, dated October 22, 2004 (RRD-OpMemo-02), now rescinded.

The groundwater samples were collected and submitted to Fibertec Environmental Services (Fibertec), Holt, Michigan under a chain of custody for analysis of volatile organic compounds in accordance with USEPA method 8260 standards. The laboratory analytical report from the groundwater sample analysis is presented in Appendix A. The analytical results are also summarized in Table 4 and are presented by location on Figure 3. Please refer to Section 3.1 for a discussion of the analytical results.

3.0 ANALYTICAL RESULTS

3.1 Groundwater Analytical Results

Laboratory analytical reports from the groundwater sample analyses are presented in Appendix A. As stated above, the analytical results are summarized in Table 4 and are presented by location on Figure 3. Additionally, the maximum concentration of analytes detected at the Facility since BLDI initiated investigations are presented in Table 2. As the data indicates, benzene, 1,1-dichloroethane, cis-1,2-dichloroethylene, , and vinyl chloride were detected in MW-3DD above laboratory reporting limits, of which, only vinyl chloride was detected at concentrations exceeding its applicable residential GRCC. Additionally, tetrachloroethene (PERC) was detected in MW-9 above laboratory reporting limits; however, does not exceed its applicable residential GRCC. No target analytes were detected in MW-8, MW-10, MW-11, and MW-12 above laboratory reporting limits, and therefore, no analytes within these wells exceed their applicable GRCC.

While delineation of the select volatile organic compounds is not yet achieved, several monitoring wells are proposed at the site and BLDI will continue to evaluate the data and place monitoring wells as necessary. The detection of vinyl chloride in MW-3DD will be further evaluated with additional groundwater sampling events.

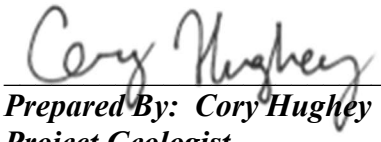
3.2 Soil Analytical Results

Laboratory analytical reports from the soil sample analyses are presented in Appendix A. Maximum concentrations of analytes detected in the soil at the Facility are presented in Table 1. Additionally, a summary of the analytical results are presented in Table 3 and are presented by location on Figure 4. Soil samples were collected throughout the borings to characterize the soil at the Facility in April 2021. As the data indicates, no target analytes were detected in the soil samples collected from any of the monitoring well locations installed during the April 2021 soil investigation event.

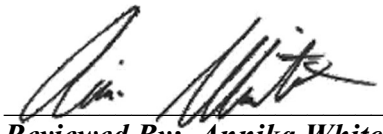
4.0 PROPOSED FUTURE ACTIONS

Additional monitoring wells will be installed at the Facility and offsite properties to delineate the volatile organic compounds present. An updated workplan including proposed on-site and off-site monitoring well locations is located in Appendix C and depicted on Figure 8. The proposed off-site well installation and subsequent sampling is subject to obtaining consent for access from the adjacent property owner.

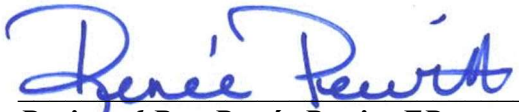
5.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS



Prepared By: Cory Hughey
Project Geologist



Reviewed By: Annika Whitcomb
Associate Project Manager



Reviewed By: Renée Pewitt, EP
Vice President

FIGURES

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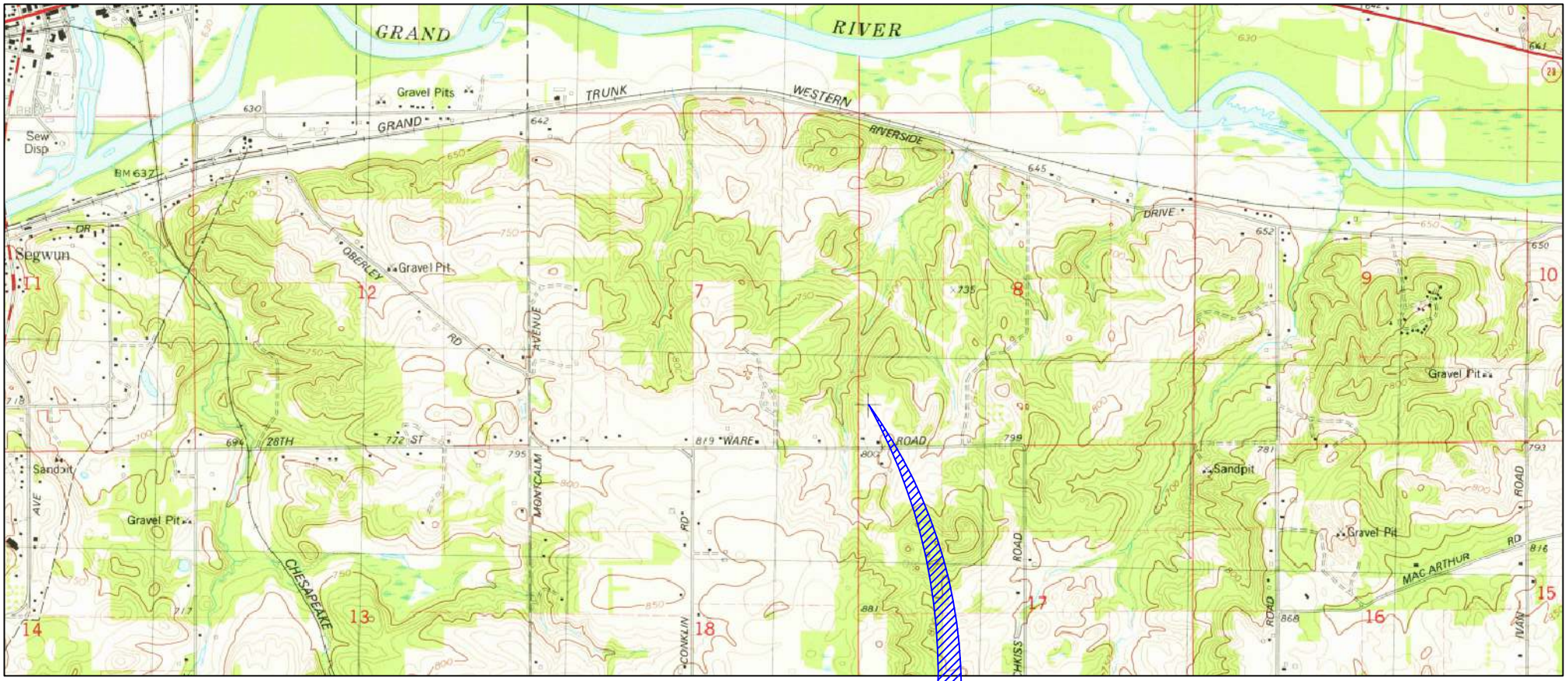

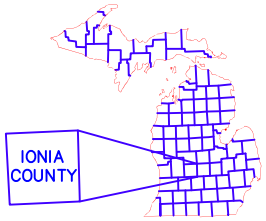

Property

CR

FIGURE 1
PROPERTY LOCATION MAP

City of Lowell Landfill
0 Ware Road
Boston Township, Michigan

November 2021 194688.20

NOT A LEGAL SURVEY

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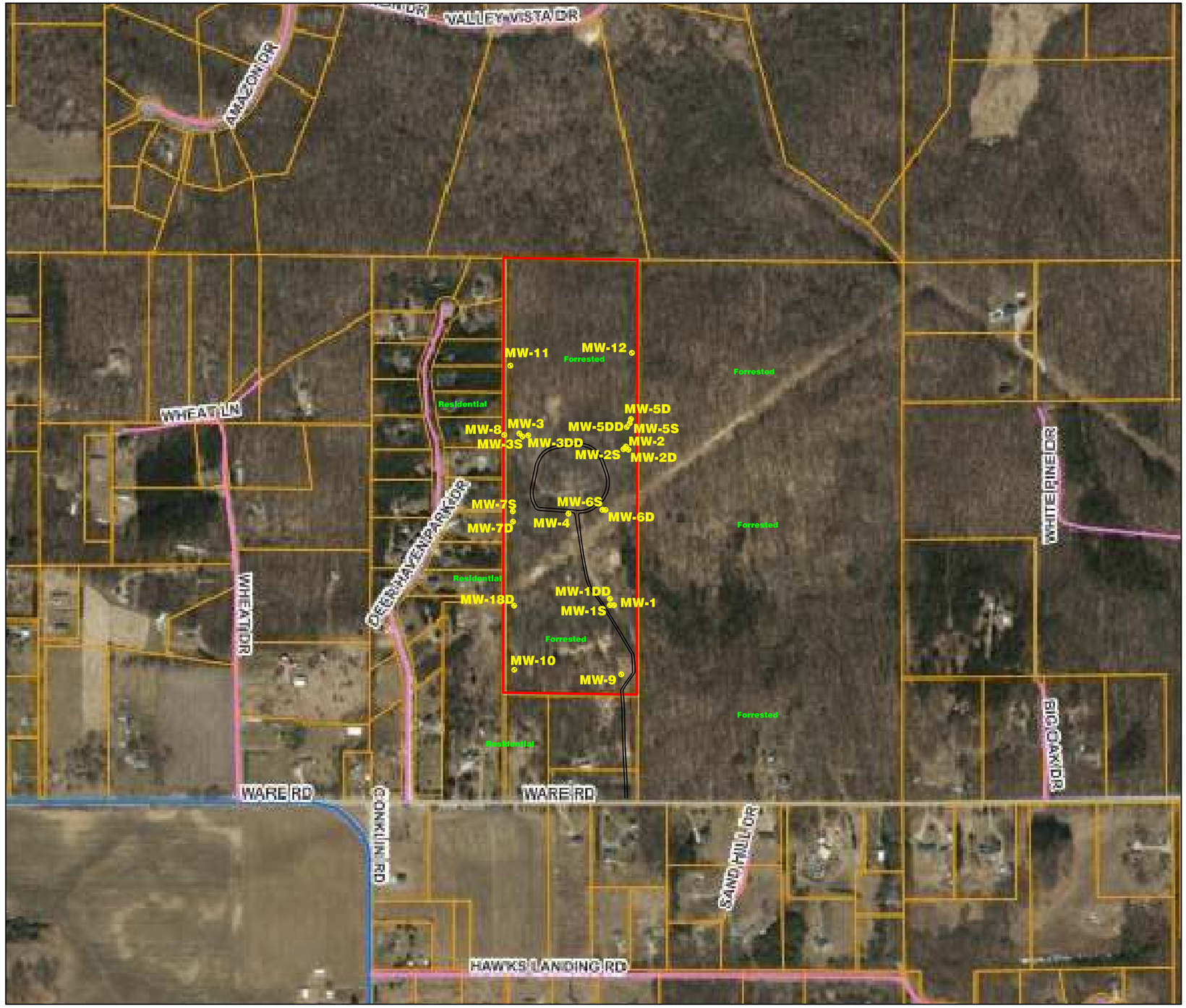

LEGEND

- MONITORING WELL LOCATION*
- PROPERTY BOUNDARIES

VS/CR

*Due to the scale required to present all Site features, the representations of monitoring wells do not illustrate the actual size of monitoring wells.

0 555 1,110
APPROXIMATE SCALE IN FEET

NOT A LEGAL SURVEY

FIGURE 2
FACILITY LAYOUT MAP

Former City of Lowell Landfill
0 Ware Road
Boston Township, Michigan

November 2021 194688.20

BLDI
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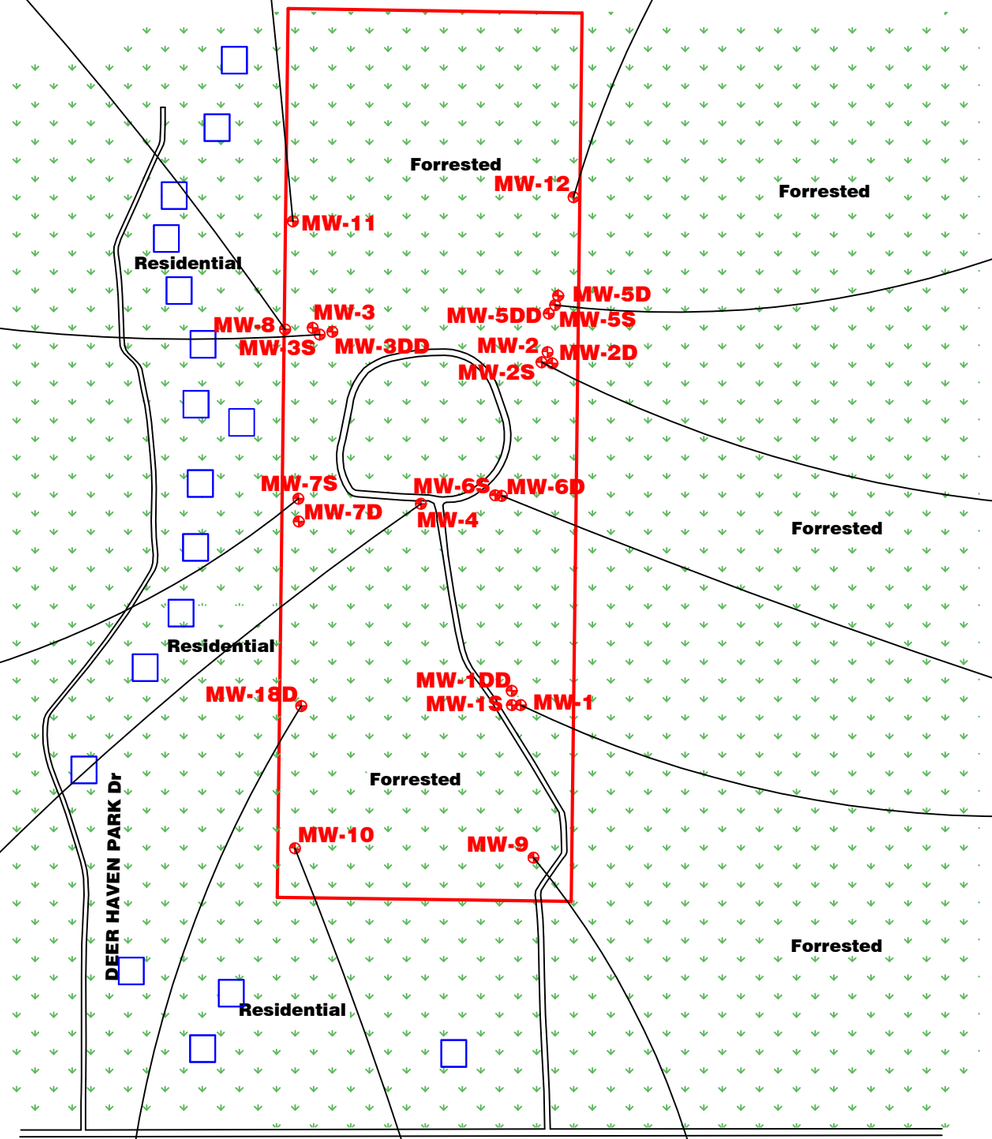


MW-8
Groundwater/730.70'–735.70'
9–9–2021/BLDI
VOCs < RL

MW-11
Groundwater/727.46'–732.46'
9–9–2021/BLDI
VOCs < RL

MW-12
Groundwater/718.14'–723.14'
9–9–2021/BLDI
VOCs < RL

MW-3S
Groundwater/739.58'–744.58'
11–26–2019/BLDI
VOCs < RL
6–19–2020/BLDI
VOCs < RL

MW-3
Groundwater/730.97'–733.97'
12–4–1986/DNR (EIS–1986)
PERC **10**
Other VOCs < RL
6–14–2019/BLDI
VOCs < RL
6–19–2020/BLDI
VOCs < RL

MW-3DD
Groundwater/711.09'–716.09'
12–21–2020/BLDI
B 1.9
VC **2.6**
Other VOCs < RL
3–30–2021/BLDI
B 2.1
cis–1,2 1.3
VC **3.3**
Other VOCs < RL
9–9–2021/BLDI
B 2.4
1,1 1.2
cis–1,2 1.7
VC **4.1**
Other VOCs < RL

MW-5S
Groundwater/724.08'–729.08'
11–26–2019/BLDI
VOCs < RL
6–18–2020/BLDI
VOCs < RL

MW-5D
Groundwater/713.72'–718.72'
11–26–2019/BLDI
TCM 2.1
PERC **9.0**
Other VOCs < RL
6–18–2020/BLDI
TCM 1.7
PERC **7.1**
Other VOCs < RL

MW-5DD
Groundwater/694.50'–699.50'
12–21–20/BLDI
VOCs < RL

MW-2S
Groundwater/729.79'–734.79'
12–17–2019/BLDI
VOCs < RL
6–18–2020/BLDI
VOCs < RL

MW-2D
Groundwater/719.77'–724.77'
12–17–2019/BLDI
TCM 2.7
PERC **12**
Other VOCs < RL
6–18–2020/BLDI
VOCs < RL

MW-7S
Groundwater/755.61'–760.61'
12–21–20/BLDI
PERC 1.8
Other VOCs < RL

MW-7D
Groundwater/736.90'–741.90'
12–22–20/BLDI
VOCs < RL

MW-4
Groundwater/754.70'–759.70'
11–26–2019/BLDI
PERC **13**
Other VOCs < RL
6–19–2020/BLDI
TCM 1.6
PERC **13**
Other VOCs < RL

MW-1S
Groundwater/754.71'–759.71'
11–26–2019/BLDI
PERC 1.1
Other VOCs < RL
6–18–2020/BLDI
VOCs < RL

MW-1
Groundwater/729.57'–732.57'
12–4–1986/DNR (EIS–1986)
PERC **10**
TCFM 5.0
Other VOCs < RL
6–14–2019/BLDI
PERC **8.4**
Other VOCs < RL
6–18–2020/BLDI
PERC **8.0**
Other VOCs < RL

MW-1DD
Groundwater/712.40'–717.40'
12–21–20/BLDI
VOCs < RL

MW-6S
Groundwater/751.31'–756.31'
11–27–2019/BLDI
TCM 3.1
PERC **18**
1,1,1 4.7
Other VOCs < RL
6–19–2020/BLDI
TCM 2.7
PERC **16**
Other VOCs < RL

MW-6D
Groundwater/741.23'–746.23'
11–27–2019/BLDI
PERC 2.1
Other VOCs < RL
6–19–2020/BLDI
PERC 1.1
Other VOCs < RL

MW-18D
Groundwater/728.99'–733.99'
12–21–20/BLDI
VOCs < RL

MW-10
Groundwater/728.14'–733.14'
9–9–2021/BLDI
VOCs < RL

MW-9
Groundwater/729.16'–734.16'
9–9–2021/BLDI
PERC 1.3
Other VOCs < RL

LEGEND

- MONITORING WELL LOCATION*
- BUILDING
- PROPERTY BOUNDARIES

B	BENZENE
CF	CHLOROFORM
TCM	CARBON TETRACHLORIDE
1,1	1,1–DICHLROETHANE
1,2	1,2–DICHLROETHANE
cis–1,2	cis–1,2–DICHLOROETHYLENE
PERC	TETRACHLOROETHENE
1,1,1	1,1,1–TRICHLOROETHANE
TCE	TRICHLOROETHYLENE
TCFM	TRICHLOROFLUOROMETHANE
DBCM	DIBROMOCHLOROMETHANE
VC	VINYL CHLORIDE
VOCs	Volatile Organic Compounds

Sample Location
Sample Media/Screened Elevation
Sample Date/Collected By
Analytical Results (ug/L)

*BOLD VALUES EXCEED APPLICABLE CRITERIA

Due to the scale required to present all Site features, the representations of monitoring wells do not illustrate the actual size of monitoring wells.

0 350 700
APPROXIMATE SCALE IN FEET

VS/SJ

FIGURE 3

GROUNDWATER ANALYTICAL RESULTS
Former City of Lowell Landfill
0 Ware Road
Boston Township, Michigan

November 2021 194688.20

NOT A LEGAL SURVEY

BLDI
Environmental Engineering

MW-11
4-27-21/BLDI
Soil/4.5'-5'
VOCs < RL
Soil/14.5'-15'
VOCs < RL
Soil/24.5'-25'
VOCs < RL
Soil/34.5'-35'
VOCs < RL
Soil/43'-43.5'
VOCs < RL
Soil/48'-48.5'
VOCs < RL
Soil/54.5'-55'
VOCs < RL
Soil/64.5'-65'
VOCs < RL
Soil/79.5'-80'
VOCs < RL

MW-3DD
11-6-20/BLDI
Soil/69.5'-70'
VOCs < RL

MW-5DD
11-6-20/BLDI
Soil/63'-63.5'
VOCs < RL

MW-12
4-28-21/BLDI
Soil/3'-3.5'
VOCs < RL
Soil/4.5'-5'
VOCs < RL
Soil/14.5'-15'
VOCs < RL
Soil/23.5'-24'
VOCs < RL

MW-8
4-27-21/BLDI
Soil/4.5'-5'
VOCs < RL
Soil/14.5'-15'
VOCs < RL
Soil/24.5'-25'
VOCs < RL
Soil/34.5'-35'
VOCs < RL
Soil/44.5'-45.0'
VOCs < RL
Soil/54.5'-55'
VOCs < RL

MW-5D
10-31-19/BLDI
Soil/5'-5.5'
VOCs < RL
Soil/15'-15.5'
VOCs < RL
Soil/25'-25.5'
VOCs < RL
Soil/35'-35.5'
VOCs < RL
Soil/45'-45.5'
VOCs < RL
Soil/55'-55.5'
VOCs < RL

MW-3S
11-1-19/BLDI
Soil/5'-5.5'
VOCs < RL
Soil/15'-15.5'
VOCs < RL
Soil/25'-25.5'
VOCs < RL
Soil/35'-35.5'
VOCs < RL
Soil/45'-45.5'
VOCs < RL
Soil/55'-55.5'
MC **130**
Other VOCs < RL

MW-7D
11-4-20/BLDI
Soil/4.5'-5'
VOCs < RL
Soil/14.5'-15'
VOCs < RL
Soil/34.5'-35
VOCs < RL
Soil/39'-39.5'
VOCs < RL
Soil/44.5'-45'
VOCs < RL
Soil/53.5'-54'
VOCs < RL
Soil/64.5'-65'
VOCs < RL

MW-2D
10-30-19/BLDI
Soil/5'-5.5'
VOCs < RL
Soil/15'-15.5'
VOCs < RL
Soil/25'-25.5'
VOCs < RL
Soil/34.5'-35'
VOCs < RL
Soil/45'-45.5'
VOCs < RL
Soil/50'-50.5'
VOCs < RL
Soil/60'-60.5'
VOCs < RL

MW-4
10-28-19/BLDI
Soil/5'-5.5'
VOCs < RL
Soil/15'-15.5'
VOCs < RL
Soil/25'-25.5'
VOCs < RL
Soil/35'-35.5'
VOCs < RL
Soil/45'-45.5'
VOCs < RL
Soil/55'-55.5'
VOCs < RL
Soil/65'-65.5'
VOCs < RL
Soil/74'-74.5'
VOCs < RL

MW-6D
10-29-19/BLDI
Soil/5'-5.5'
VOCs < RL
Soil/9'-9.5'
PERC **160**
Other VOCs < RL
Soil/18.5'-19'
VOCs < RL
Soil/30'-30.5'
VOCs < RL
Soil/38.5'-39'
PERC **580**
Other VOCs < RL
Soil/50'-50.5'
VOCs < RL
Soil/58.5'-59'
PERC **1,400**
77
Other VOCs < RL
TCESoil/70'-70.5'
VOCs < RL
Soil/80'-80.5'
VOCs < RL

MW-18D
11-4-20/BLDI
Soil/4.5'-5'
VOCs < RL
Soil/14.5'-15'
VOCs < RL
Soil/24'-24.5'
VOCs < RL
Soil/34.5'-35
VOCs < RL
Soil/44.5'-45'
VOCs < RL

MW-10
4-28-21/BLDI
Soil/4.5'-5'
VOCs < RL
Soil/14.5'-15'
VOCs < RL
Soil/24.5'-25'
VOCs < RL
Soil/34.5'-35'
VOCs < RL
Soil/44.5'-45'
VOCs < RL
Soil/54.5'-55'
VOCs < RL
Soil/64.5'-65'
VOCs < RL

MW-1S
10-28-19/BLDI
Soil/5'-5.5'
VOCs < RL
Soil/15'-15.5'
VOCs < RL
Soil/25'-25.5'
VOCs < RL
Soil/35'-35.5'
VOCs < RL

MW-9
4-26-21/BLDI
Soil/5'-5.5'
VOCs < RL
Soil/14.5'-15'
VOCs < RL
Soil/28'-28.5'
VOCs < RL
Soil/34.5'-35'
VOCs < RL
Soil/44.5'-45'
VOCs < RL

MW-1DD
11-9-20/BLDI
Soil/39.5'-40'
VOCs < RL

Forrested
Residential
MW-11
MW-12
MW-3
MW-3DD
MW-5DD
MW-5D
MW-5S
MW-8
MW-3S
MW-2
MW-2D
MW-2S
MW-6S
MW-6D
MW-7S
MW-4
MW-7D
MW-1DD
MW-18D
MW-1S
MW-1
MW-10
MW-9
DEER HAVEN PARK Dr
WARE ROAD

LEGEND

- MONITORING WELL LOCATION*
- BUILDING
- PROPERTY BOUNDARIES

MC METHYLENE CHLORIDE
PERC TETRACHLOROETHENE
TCE TRICHLOROETHENE

Sample Location
Sample Media/Sample Depth
Sample Date/Collected By
Analytical Results (ug/L)

BOLD VALUES EXCEED APPLICABLE CRITERIA

*Due to the scale required to present all Site features, the representations of monitoring wells do not illustrate the actual size of monitoring wells.

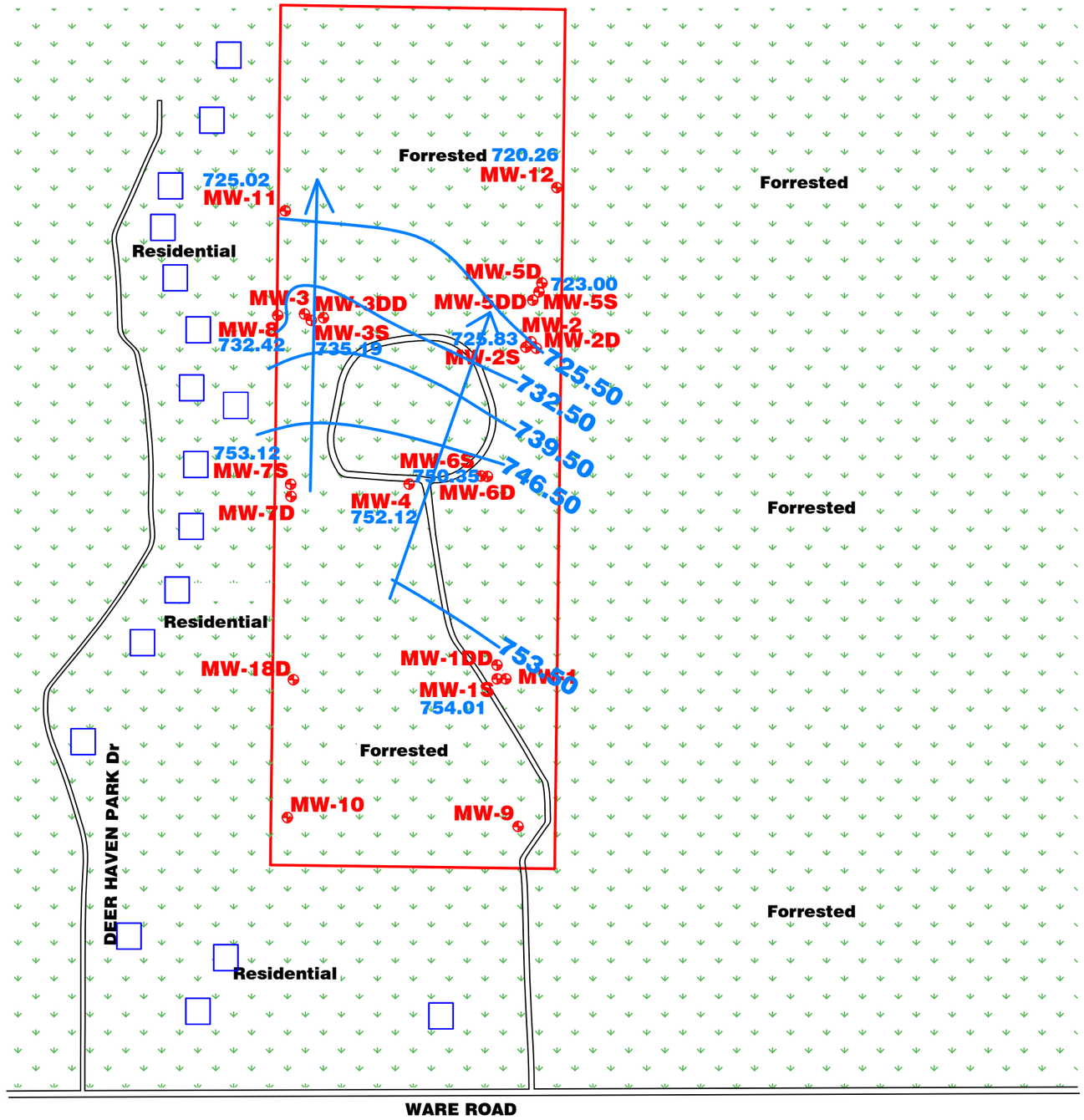
0 300 600
APPROXIMATE SCALE IN FEET

NOT A LEGAL SURVEY

VS

FIGURE 4
SOIL ANALYTICAL RESULTS
Former City of Lowell Landfill
0 Ware Road
Boston Township, Michigan
November 2021 194688.20

BLDI
Environmental Engineering



LEGEND

- MONITORING WELL LOCATION*
- BUILDING
- PROPERTY BOUNDARIES

*Due to the scale required to present all Site features, the representations of monitoring wells do not illustrate the actual size of monitoring wells.

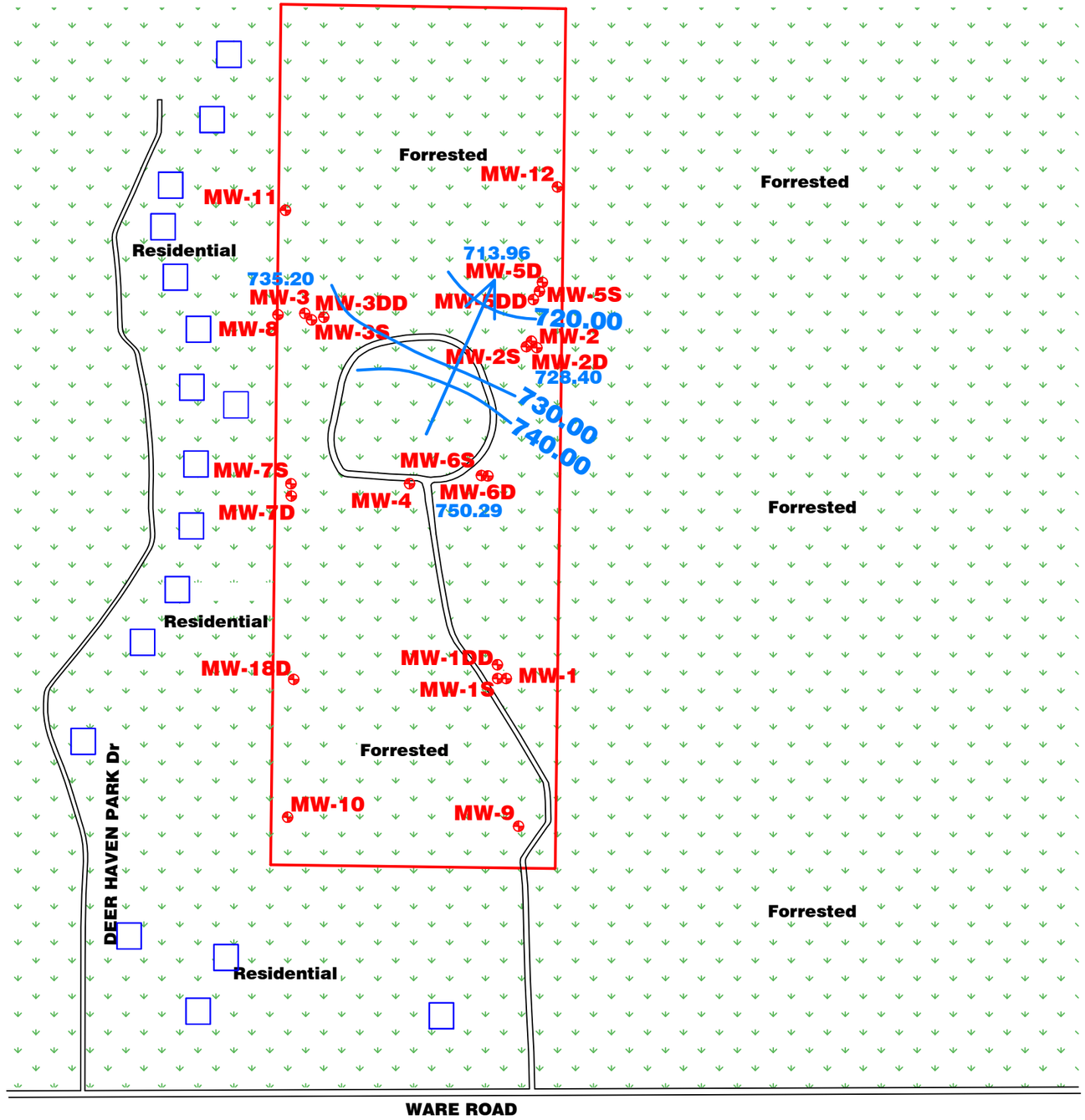
NOT A LEGAL SURVEY

0 300 600
APPROXIMATE SCALE IN FEET

VS

FIGURE 5A
GROUNDWATER ELEVATIONS AND FLOW CONTOURS – SHALLOW WELLS
SEPTEMBER 2021
Former City of Lowell Landfill
0 Ware Road
Boston Township, Michigan
November 2021 194688.20

BLDI
Environmental Engineering



LEGEND

- MONITORING WELL LOCATION*
- BUILDING
- PROPERTY BOUNDARIES

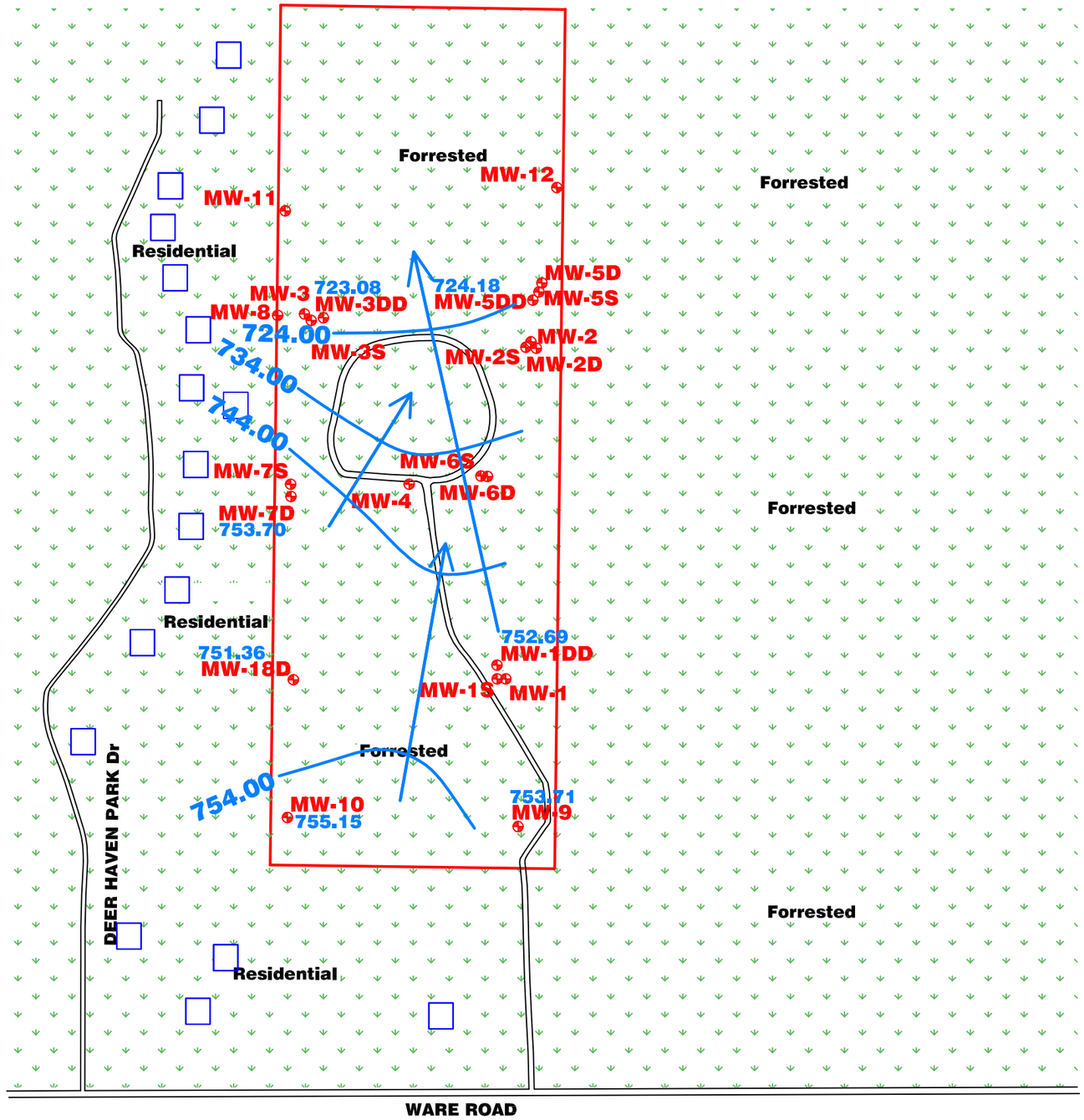
VS

*Due to the scale required to present all Site features, the representations of monitoring wells do not illustrate the actual size of monitoring wells.

0 300 600
APPROXIMATE SCALE IN FEET

NOT A LEGAL SURVEY

FIGURE 5B
GROUNDWATER ELEVATIONS AND FLOW CONTOURS – DEEP WELLS SEPTEMBER 2021
Former City of Lowell Landfill
0 Ware Road
Boston Township, Michigan
November 2021 194688.20



LEGEND

- MONITORING WELL LOCATION*
- BUILDING
- PROPERTY BOUNDARIES

*Due to the scale required to present all Site features, the representations of monitoring wells do not illustrate the actual size of monitoring wells.

0 300 600

APPROXIMATE SCALE IN FEET

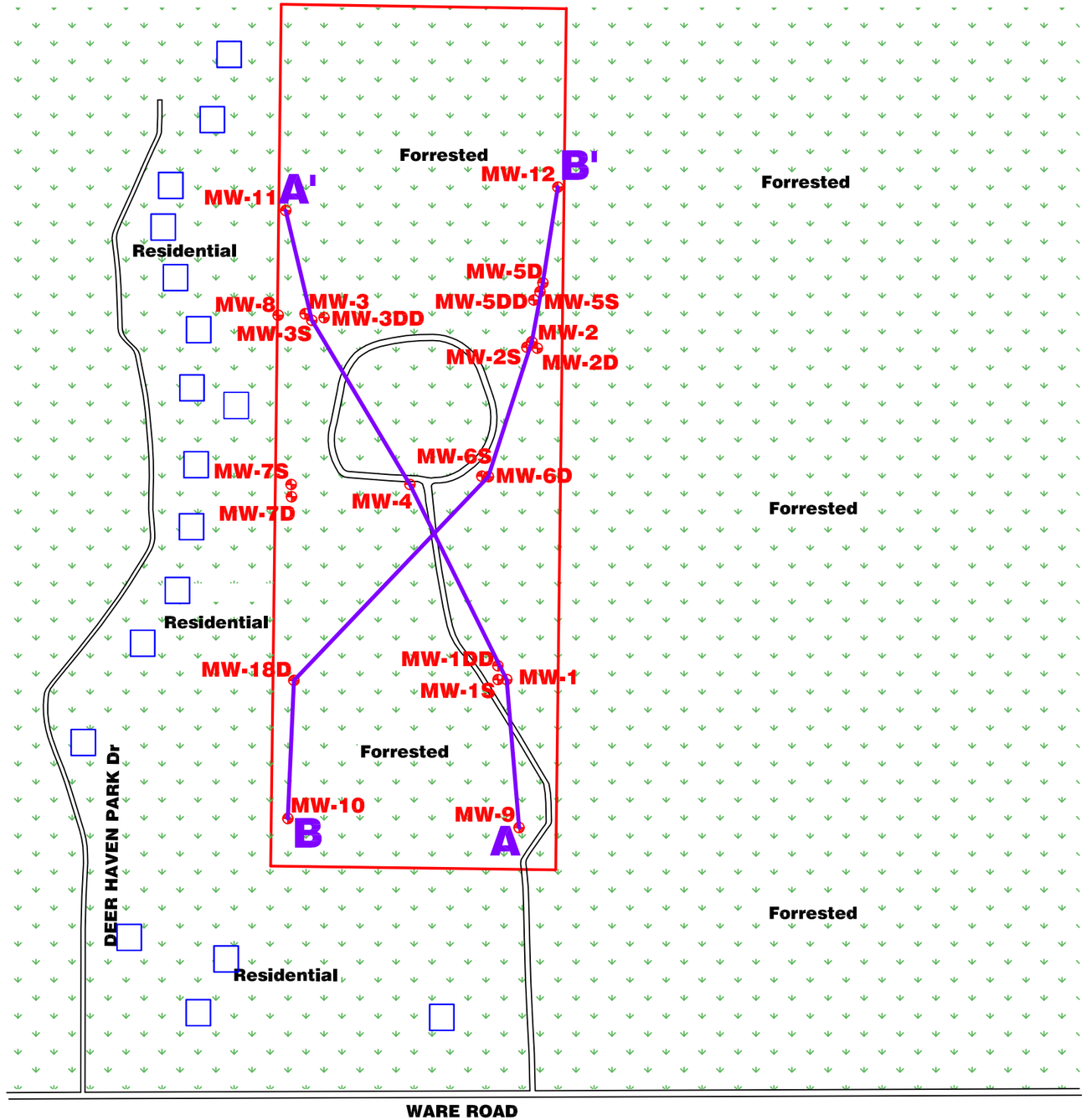
NOT A LEGAL SURVEY

VS

FIGURE 5C

GROUNDWATER ELEVATIONS AND FLOW CONTOURS – DEEP DEEP WELLS
SEPTEMBER 2021
Former City of Lowell Landfill
0 Ware Road
Boston Township, Michigan

November 2021 194688.20



LEGEND

- MONITORING WELL LOCATION*
- BUILDING
- PROPERTY BOUNDARIES

*Due to the scale required to present all Site features, the representations of monitoring wells do not illustrate the actual size of monitoring wells.

0 300 600

APPROXIMATE SCALE IN FEET

NOT A LEGAL SURVEY

VS

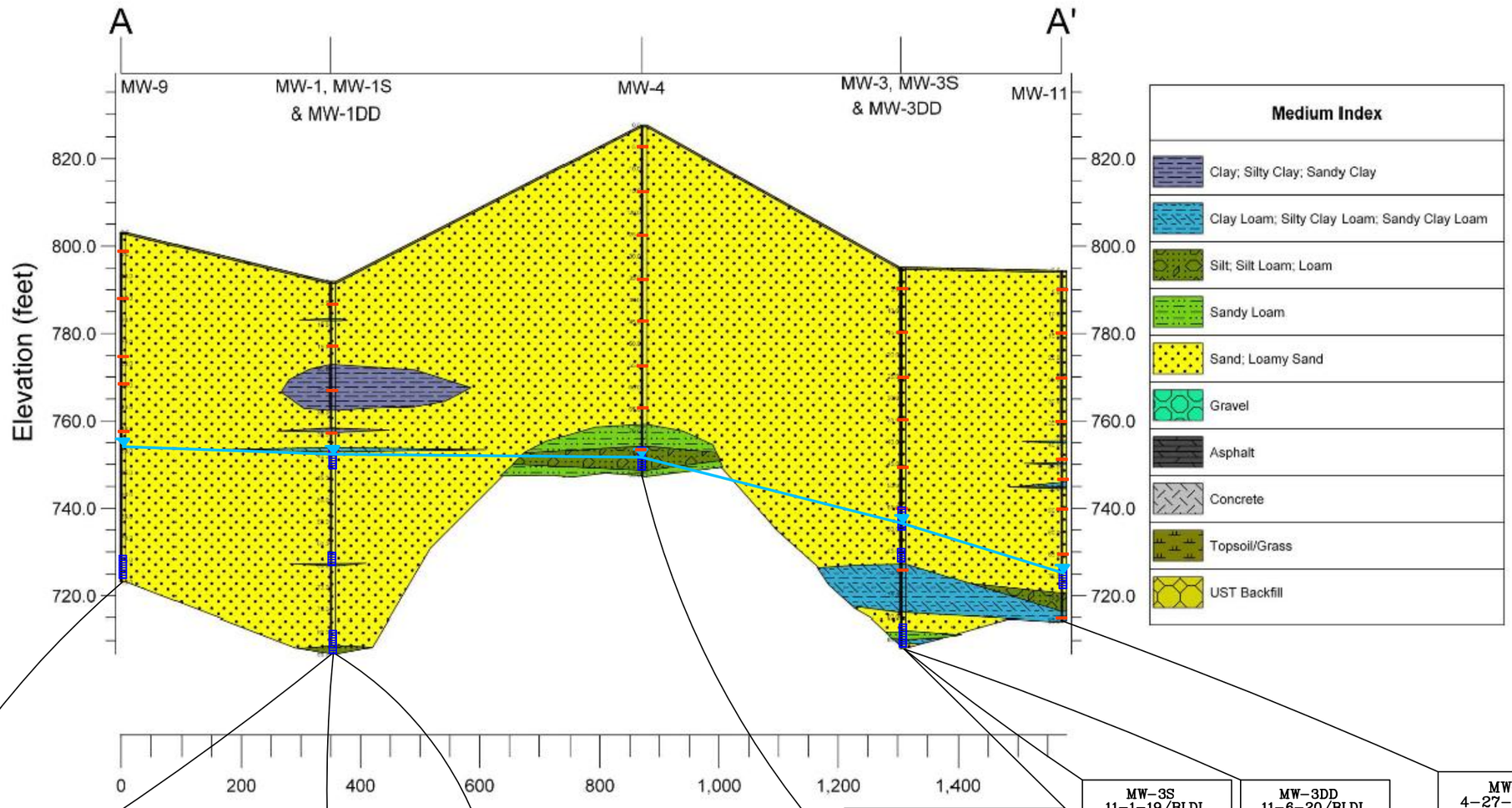
FIGURE 6
CROSS SECTION TRACE MAP

Former City of Lowell Landfill
0 Ware Road
Boston Township, Michigan

November 2021 194688.20

BLDI Environmental Engineering

Cross-Section A-A'



Medium Index

- Clay; Silty Clay; Sandy Clay
- Clay Loam; Silty Clay Loam; Sandy Clay Loam
- Silt; Silt Loam; Loam
- Sandy Loam
- Sand; Loamy Sand
- Gravel
- Asphalt
- Concrete
- Topsoil/Grass
- UST Backfill

LEGEND

- WATER TABLE
- SOIL SAMPLE INTERVAL
- SCREENED INTERVAL

B	BENZENE
CF	CHLOROFORM
TCM	CARBON TETRACHLORIDE
1,2	1,2-DICHLROETHANE
cis-1,2	cis-1,2-DICHLOROETHYLENE
MC	METHYLENE CHLORIDE
PERC	TETRACHLOROETHENE
1,1,1	1,1,1-TRICHLOROETHANE
TCE	TRICHLOROETHYLENE
TCFM	TRICHLOROFLUOROMETHANE
DBCM	DIBROMOCHLOROMETHANE
VC	VINYL CHLORIDE
VOCs	Volatile Organic Compounds

Sample Location
Sample Media/Sample Depth or Elevation
Sample Date/Collected By
Analytical Results (ug/kg or ug/L)

MW-9
4-26-21/BLDI
Soil/5'-5.5'
VOCs < RL
Soil/14.5'-15'
VOCs < RL
Soil/28'-28.5'
VOCs < RL
Soil/34.5'-35'
VOCs < RL
Soil/44.5'-45'
VOCs < RL

MW-9
Groundwater/74.0'-79.0'
9-9-2021/BLDI
PERC 1.3
Other VOCs < RL

MW-1
Groundwater/62.33'-65.33'
12-4-1986/DNR (EIS-1986)
PERC **10**
TCFM 5.0
Other VOCs < RL
6-14-2019/BLDI
PERC **8.4**
Other VOCs < RL
6-18-2020/BLDI
PERC **8.0**
Other VOCs < RL

MW-1S
10-28-19/BLDI
Soil/5'-5.5'
VOCs < RL
Soil/15'-15.5'
VOCs < RL
Soil/25'-25.5'
VOCs < RL
Soil/35'-35.5'
VOCs < RL

MW-1S
Groundwater/37.0'-42.0'
11-26-2019/BLDI
PERC 1.1
Other VOCs < RL
6-18-2020/BLDI
VOCs < RL

MW-1DD
11-9-20/BLDI
Soil/39.5'-40'
VOCs < RL

MW-1DD
Groundwater/80.0'-85.5'
12-21-20/BLDI
VOCs < RL

MW-4
10-28-19/BLDI
Soil/5'-5.5'
VOCs < RL
Soil/15'-15.5'
VOCs < RL
Soil/25'-25.5'
VOCs < RL
Soil/35'-35.5'
VOCs < RL
Soil/45'-45.5'
VOCs < RL
Soil/55'-55.5'
VOCs < RL
Soil/65'-65.5'
VOCs < RL
Soil/74'-74.5'
VOCs < RL

MW-3
Groundwater/64.23'-67.23'
12-4-1986/DNR (EIS-1986)
PERC **10**
Other VOCs < RL
6-14-2019/BLDI
VOCs < RL
6-19-2020/BLDI
VOCs < RL

MW-4
Groundwater/73.0'-78.0'
11-26-2019/BLDI
PERC **13**
Other VOCs < RL
6-19-2020/BLDI
TCM 1.6
PERC **13**
Other VOCs < RL

MW-3S
11-1-19/BLDI
Soil/5'-5.5'
VOCs < RL
Soil/15'-15.5'
VOCs < RL
Soil/25'-25.5'
VOCs < RL
Soil/35'-35.5'
VOCs < RL
Soil/45'-45.5'
VOCs < RL
Soil/55'-55.5'
MC **130**
Other VOCs < RL

MW-3S
Groundwater/55.0'-60.0'
11-26-2019/BLDI
VOCs < RL
6-19-2020/BLDI
VOCs < RL

MW-3DD
11-6-20/BLDI
Soil/69.5'-70'
VOCs < RL

MW-3DD
Groundwater/82.0'-87.0'
12-21-2020/BLDI
B 1.9
VC **2.6**
Other VOCs < RL

MW-11
4-27-21/BLDI
Soil/4.5'-5'
VOCs < RL
Soil/14.5'-15'
VOCs < RL
Soil/24.5'-25'
VOCs < RL
Soil/34.5'-35'
VOCs < RL
Soil/43'-43.5'
VOCs < RL
Soil/48'-48.5'
VOCs < RL
Soil/54.5'-55'
VOCs < RL
Soil/64.5'-65'
VOCs < RL
Soil/79.5'-80'
VOCs < RL

MW-11
Groundwater/67.0'-72.0'
9-9-2021/BLDI
VOCs < RL

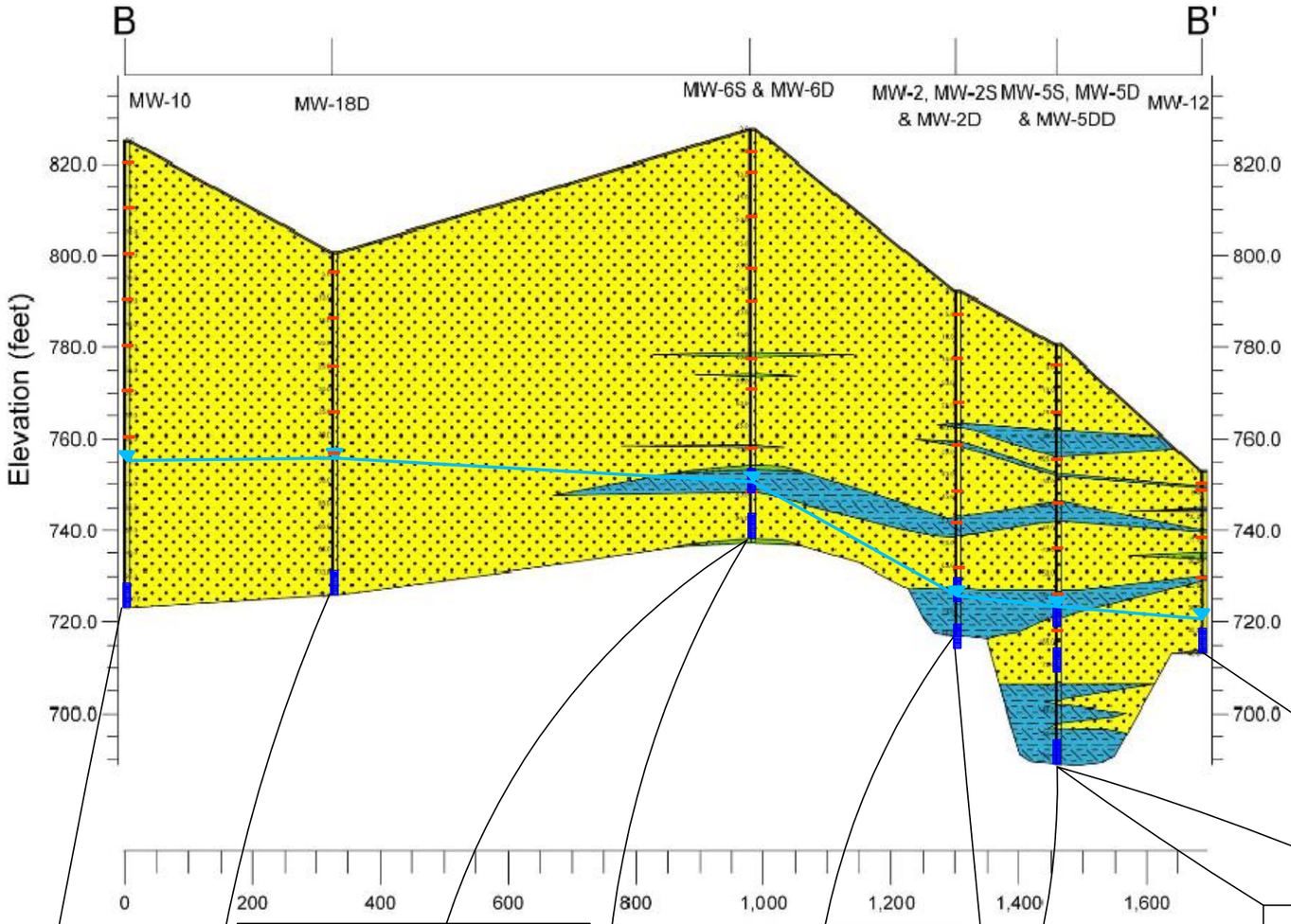
VS

NOT A LEGAL SURVEY

FIGURE 6A
CROSS SECTION A-A'
Former City of Lowell Landfill
0 Ware Road
Boston Township, Michigan

November 2021 194688.20

Cross-Section B-B'



Medium Index

- Clay; Silty Clay; Sandy Clay
- Clay Loam; Silty Clay Loam; Sandy Clay Loam
- Silt; Silt Loam; Loam
- Sandy Loam
- Sand; Loamy Sand
- Gravel
- Asphalt
- Concrete
- Topsoil/Grass
- UST Backfill

LEGEND

- WATER TABLE
- SOIL SAMPLE INTERVAL
- SCREENED INTERVAL

B	BENZENE
CF	CHLOROFORM
TCM	CARBON TETRACHLORIDE
1,2	1,2-DICHLROETHANE
cis-1,2	cis-1,2-DICHLOROETHYLENE
MC	METHYLENE CHLORIDE
PERC	TETRACHLOROETHENE
1,1,1	1,1,1-TRICHLOROETHANE
TCE	TRICHLOROETHYLENE
TCFM	TRICHLOROFLUOROMETHANE
DBCM	DIBROMOCHLOROMETHANE
VC	VINYL CHLORIDE
VOCs	Volatile Organic Compounds

Sample Location
Sample Media/Sample Depth or Elevation
Sample Date/Collected By
Analytical Results (ug/kg or ug/L)

MW-10
4-28-21/BLDI
Soil/4.5'-5'
VOCs < RL
Soil/14.5'-15'
VOCs < RL
Soil/24.5'-25'
VOCs < RL
Soil/34.5'-35'
VOCs < RL
Soil/44.5'-45'
VOCs < RL
Soil/54.5'-55'
VOCs < RL
Soil/64.5'-65'
VOCs < RL

MW-10
Groundwater/97.0'-102.0'
9-9-2021/BLDI
VOCs < RL

MW-18D
11-4-20/BLDI
Soil/4.5'-5'
VOCs < RL
Soil/14.5'-15'
VOCs < RL
Soil/24'-24.5'
VOCs < RL
Soil/34.5'-35
VOCs < RL
Soil/44.5'-45'
VOCs < RL

MW-18D
Groundwater/70.0'-75.0'
12-21-20/BLDI
VOCs < RL

MW-6D
Groundwater/86.5'-91.5'
11-27-2019/BLDI
PERC 2.1
Other VOCs < RL
6-19-2020/BLDI
PERC 1.1
Other VOCs < RL

MW-6D
10-29-19/BLDI
Soil/5'-5.5'
VOCs < RL
Soil/9'-9.5'
PERC **160**
Other VOCs < RL
Soil/18.5'-19'
VOCs < RL
Soil/30'-30.5'
VOCs < RL
Soil/38.5'-39'
PERC **580**
Other VOCs < RL
Soil/50'-50.5'
VOCs < RL
Soil/58.5'-59'
PERC **1,400**
TCE 77
Other VOCs < RL
Soil/70'-70.5'
VOCs < RL
Soil/80'-80.5'
VOCs < RL

MW-6S
Groundwater/76.5'-81.5'
11-27-2019/BLDI
TCM 3.1
PERC **18**
1,1,1 4.7
Other VOCs < RL
6-19-2020/BLDI
TCM 2.7
PERC **16**
Other VOCs < RL

MW-2D
10-30-19/BLDI
Soil/5'-5.5'
VOCs < RL
Soil/15'-15.5'
VOCs < RL
Soil/25'-25.5'
VOCs < RL
Soil/34.5'-35'
VOCs < RL
Soil/45'-45.5'
VOCs < RL
Soil/50'-50.5'
VOCs < RL
Soil/60'-60.5'
VOCs < RL

MW-2D
Groundwater/72.5'-77.5'
12-17-2019/BLDI
TCM 2.7
PERC **12**
Other VOCs < RL
6-18-2020/BLDI
VOCs < RL

MW-2S
Groundwater/62.5'-67.5'
12-17-2019/BLDI
VOCs < RL
6-18-2020/BLDI
VOCs < RL

MW-5S
Groundwater/57.0'-62.0'
11-26-2019/BLDI
VOCs < RL
6-18-2020/BLDI
VOCs < RL

MW-5D
10-31-19/BLDI
Soil/5'-5.5'
VOCs < RL
Soil/15'-15.5'
VOCs < RL
Soil/25'-25.5'
VOCs < RL
Soil/35'-35.5'
VOCs < RL
Soil/45'-45.5'
VOCs < RL
Soil/55'-55.5'
VOCs < RL

MW-5D
Groundwater/67.0'-72.0'
11-26-2019/BLDI
TCM 2.1
PERC **9.0**
Other VOCs < RL
6-18-2020/BLDI
TCM 1.7
PERC **7.1**
Other VOCs < RL

MW-5DD
11-6-20/BLDI
Soil/63'-63.5'
VOCs < RL

MW-5DD
Groundwater/87.0'-92.0'
12-21-20/BLDI
VOCs < RL

MW-12
4-28-21/BLDI
Soil/3'-3.5'
VOCs < RL
Soil/4.5'-5'
VOCs < RL
Soil/14.5'-15'
VOCs < RL
Soil/23.5'-24'
VOCs < RL

MW-12
Groundwater/35.0'-40.0'
9-9-2021/BLDI
VOCs < RL

VS

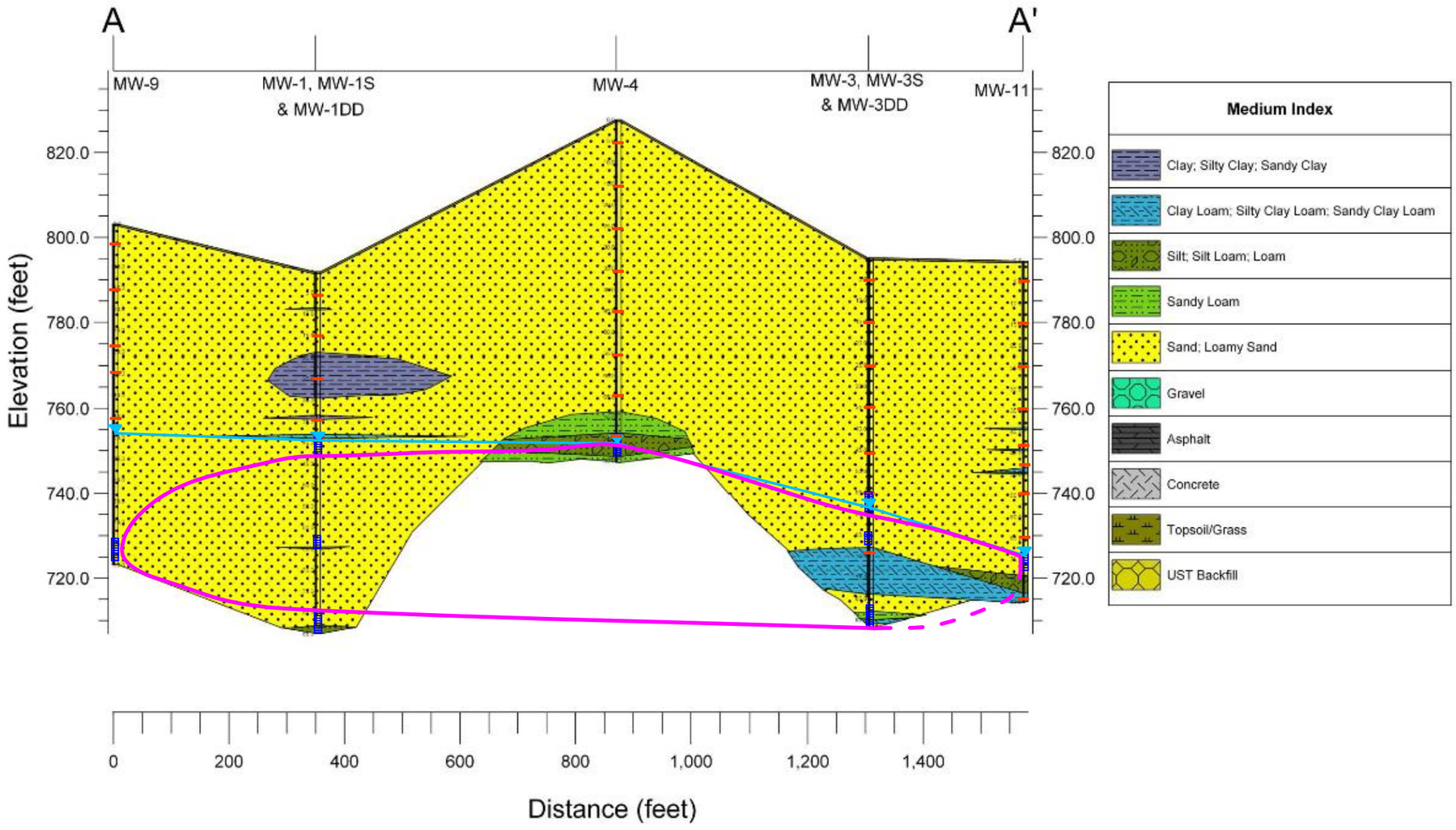
NOT A LEGAL SURVEY

FIGURE 6B
CROSS SECTION B-B'
Former City of Lowell Landfill
0 Ware Road
Boston Township, Michigan

November 2021 194688.20

BLDI
Environmental Engineering

Cross-Section A-A'



Medium Index

- Clay; Silty Clay; Sandy Clay
- Clay Loam; Silty Clay Loam; Sandy Clay Loam
- Silt; Silt Loam; Loam
- Sandy Loam
- Sand; Loamy Sand
- Gravel
- Asphalt
- Concrete
- Topsoil/Grass
- UST Backfill

LEGEND

- WATER TABLE
- SOIL SAMPLE INTERVAL
- SCREENED INTERVAL
- ESTIMATED LATERAL EXTENT OF SOIL CONTAMINATION

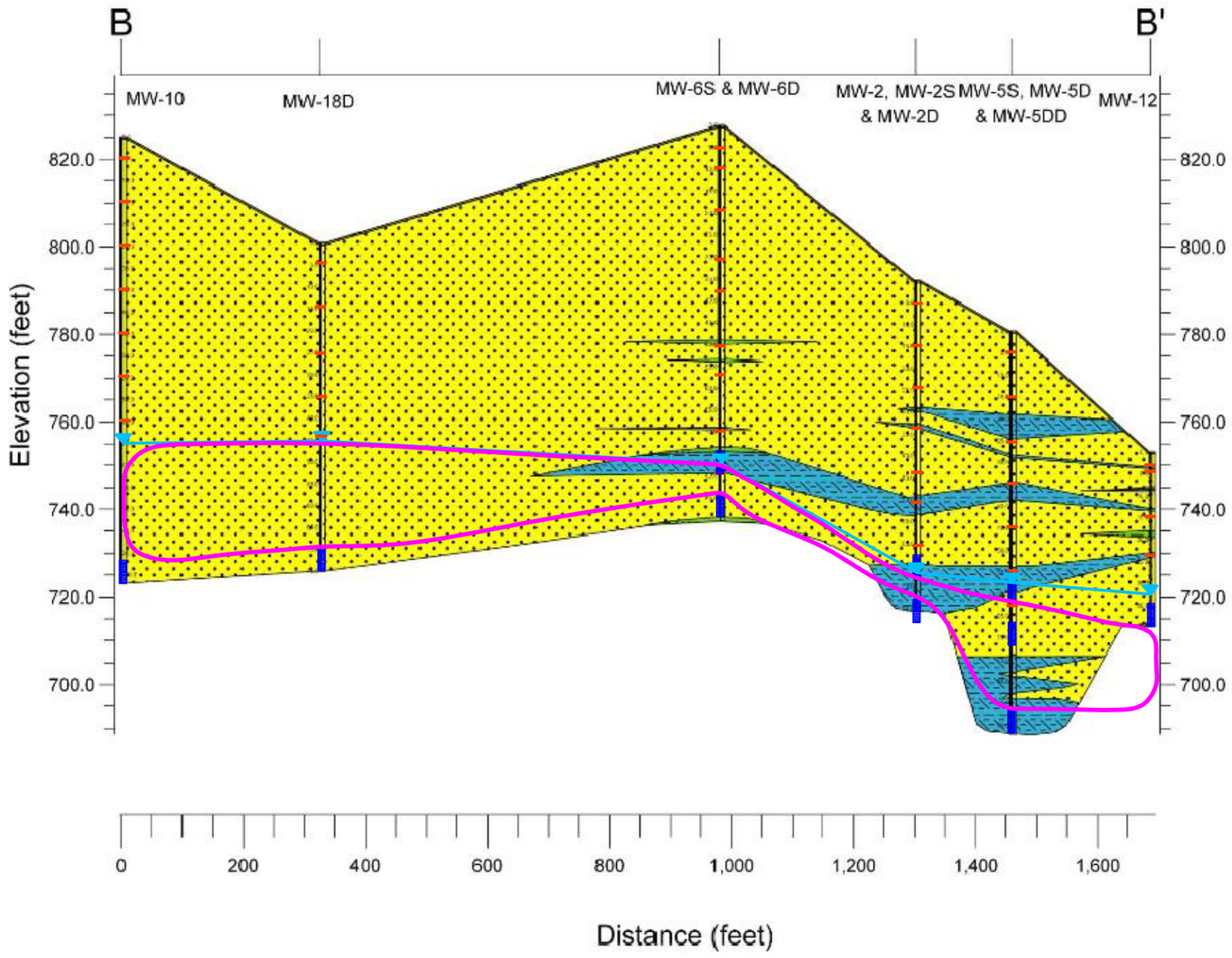
VS

FIGURE 7A
VERTICAL EXTENT OF CONTAMINATION CSM SECTION A–A'
Former City of Lowell Landfill
0 Ware Road
Boston Township, Michigan
December 2021 194688.20

NOT A LEGAL SURVEY

BLDI
Environmental Engineering

Cross-Section B-B'



LEGEND

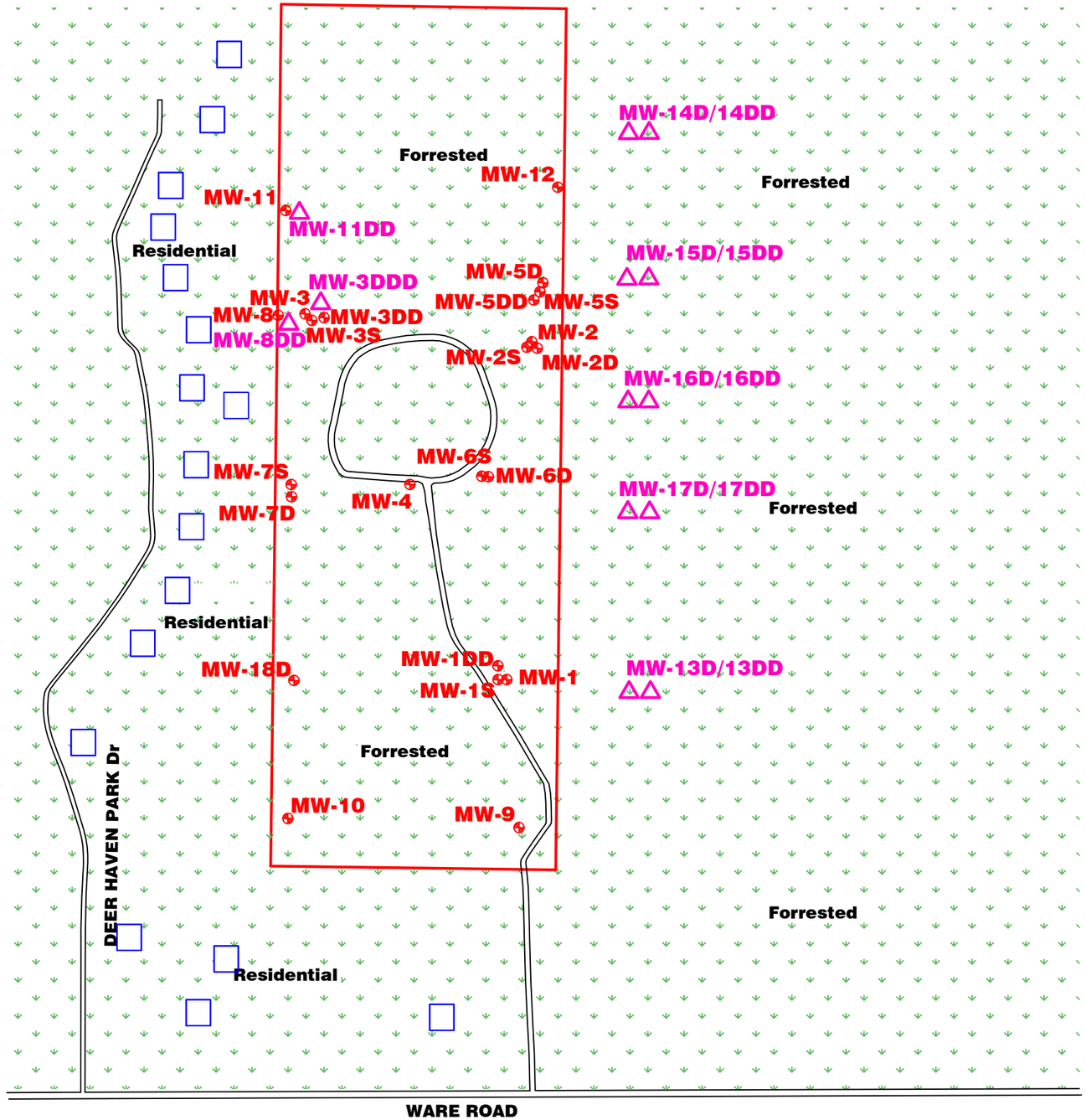
- WATER TABLE
- SOIL SAMPLE INTERVAL
- SCREENED INTERVAL
- ESTIMATED LATERAL EXTENT OF SOIL CONTAMINATION

Medium Index
Clay; Silty Clay; Sandy Clay
Clay Loam; Silty Clay Loam; Sandy Clay Loam
Silt; Silt Loam; Loam
Sandy Loam
Sand; Loamy Sand
Gravel
Asphalt
Concrete
Topsoil/Grass
UST Backfill

VS

NOT A LEGAL SURVEY

FIGURE 7B
VERTICAL EXTENT OF CONTAMINATION CSM SECTION B–B'
Former City of Lowell Landfill
0 Ware Road
Boston Township, Michigan
December 2021 194688.20



LEGEND

- MONITORING WELL LOCATION*
- BUILDING
- PROPERTY BOUNDARIES
- PROPOSED MONITORING WELL LOCATION

*Due to the scale required to present all Site features, the representations of monitoring wells do not illustrate the actual size of monitoring wells.

0 300 600

APPROXIMATE SCALE IN FEET

NOT A LEGAL SURVEY

SJ

FIGURE 8
PROPOSED MONITORING WELL LOCATIONS

Former City of Lowell Landfill
0 Ware Road
Boston Township, Michigan

December 2021 194688.20

TABLES

BLDI

TABLE 1
MAXIMUM CONCENTRATION OF DETECTED HAZARDOUS SUBSTANCES FOR SUBSURFACE SOIL SAMPLING

FACILITY NAME : Lowell Landfill

FACILITY ID NO.: 34000010

Soil											
		Maximum Detected Concentration			Residential						
Detected Analyte	Chemical Abstract Number	Concentration (ug/L)	Sample Location & Depth (ft)	Sample Date	Statewide Default Protection Criteria (ug/kg)*	Residential Drinking Water Protection Criteria (ug/kg)*	Groudwater Surface Water Interface Protection Criteria (ug/kg)*	Soil Volatilization to Indoor Air Criteria (ug/kg)*	Particulate Soil Inhalation Criteria (ug/kg)*	Infinite Source Volatile Soil Inhalation Criteria (ug/kg)*	Direct Contact Criteria (ug/kg)*
Methylene Chloride	75092	**130**	MW-3S (55.0-55.5)	11/1/2019	NA	**100**	30,000 (X)	45,000	6.60E+09	2.10E+05	1.30E+06
Tetrachloroethene	127184	**1,400**	MW-6D (58.5-59.0)	10/29/2019	NA	**100**	**1,200 (X)**	11,000	2.70E+09	1.70E+05	2.00E+05 (C)
Trichloroethene	79016	**77**	MW-6D (58.5-59.0)	10/29/2019	NA	100	4,000 (X)	1,000	1.30E+08	11,000	1.10E+05 (DD)

Note: Table only includes the maximum concentration of each detected analyte; please refer to the laboratory analytical report for the full list of analytes

Bolded and shaded values indicate that criteria is exceeded.

NA - Not Applicable

(C) - Value presented is a screening level based on the chemical -specific generic soil saturation concentration (Csat) since the calculated risk-based criterion in greater than Csat

(DD) - Hazardous substance causes developmental effects. Nonresidential direct contact criteria are protective for a pregnant adult receptor.

(X) - The GSI criterion shown is not protective of surface water used as a drinking water source

* EGLE Cleanup Criteria Requirment for Response Activity, 2018

BLDI

TABLE 2
MAXIMUM CONCENTRATION OF DETECTED HAZARDOUS SUBSTANCES FOR GROUNDWATER SAMPLING

FACILITY NAME: Lowell Landfill

FACILITY ID NO.: 34000010

Groundwater							
Analyte	**CAS Number**	**Maximum Concentration (ug/L)**	**Location and Depth of Maximum Concentration**	**Date Collected**	**Residential Drinking Water Protection Criteria (ug/L)***	**Groundwater Surface Water Interface Criteria (ug/L)***	**Residential Groundwater Volatilization to Indoor Air Criteria (ug/L)***
Benzene	71432	**2.4**	MW-3DD (82-87)	9/9/2021	5.0 (A)	200 (X)	5,600
Carbon Tetrachloride	56235	**3.1**	MW-6S (76.5-81.5)	11/27/2019	5.0 (A)	38 (X)	370
1,1-Dichloroethane	75354	**1.2**	MW-3DD (82-87)	9/9/2021	880	740	1,000,000
1,2-Dichloroethane	107062	**1.1**	MW-2 (74.23-77.23)	6/14/2019	5.0 (A)	360 (X)	9,600
cis-1,2-Dichloroethylene	156592	**1.7**	MW-3DD (82-87)	9/9/2021	70 (A)	70 (A)	93,000
Tetrachloroethene	127184	**18**	MW-6S (76.5-81.5)	11/27/2019	**5.0 (A)**	60 (X)	25,000
1,1,1-Trichloroethane	71556	**4.7**	MW-6S (76.5-81.5)	11/27/2019	200 (A)	89	660,000
Vinyl Chloride	75014	**4.1**	MW-3DD (82-87)	9/9/2021	**2.0 (A)**	13 (X)	1,100

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.

Bolded and shaded values indicate that criteria is exceeded.

(A) Criterion is the state of Michigan drinking water standard established pursuant to Section 5 of 1976 PA 399, MCL 325.1005

(X) - The GSI criterion shown is not protective of surface water used as a drinking water source

* EGLE Cleanup Criteria Requirment for Response Activity, 2018

BLDI

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR SOIL SAMPLES
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-1S (5-5.5)**		**MW-1S (15-15.5)**		**MW-1S (25-25.5)**		**MW-1S (35-35.5)**		**MW-1DD (39.5-40)**		**MW-2D (5-5.5)**		**MW-2D (15-15.5)**		**MW-2D (25-25.5)**		**MW-2D (34.5-35)**		**MW-2D (45-45.5)**	
Sample Depth (feet BGS)	5.0 - 5.5		15.0 - 15.5		25.0 - 25.5		35.0 - 35.5		39.5 - 40.0		5.0 - 5.5		15.0 - 15.5		25.0 - 25.5		34.5 - 35.0		45.0 - 45.5	
Date Collected	10-28-19		10-28-19		10-28-19		10-28-19		11-09-20		10-30-19		10-30-19		10-30-19		10-30-19		10-30-19	
Collected By:	BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI	
Collection Method*	HS		HS		HS		HS		HS		HS		HS		HS		HS		HS	
VOLATILES																				
Date Analyzed	10-30-19		10-30-19		10-30-19		10-31-19		11-12-20		11-05-19		11-05-19		11-05-19		11-05-19		11-2-19 & 11-5-19	
Analytical Method No.	EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D	
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL
Methylene Chloride	< 100	100	< 100	100	< 100	100	< 110	110	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100
Tetrachloroethene	< 50	50	< 50	50	< 50	50	< 53	53	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50
Trichloroethene	< 50	50	< 50	50	< 50	50	< 53	53	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50

Bolded and shaded exceed applicable criteria

BGS = Below Ground Surface

NA = Not Analyzed

RL = Reporting Limit

* Collection Method Codes (List all that apply): Hollow Stem Auger Split Spoon (HS)

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR SOIL SAMPLES
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-2D (50-50.5)**		**MW-2D (60-60.5)**		**MW-3S (5-5.5)**		**MW-3S (15-15.5)**		**MW-3S (25-25.5)**		**MW-3S (35-35.5)**		**MW-3S (45-45.5)**		**MW-3S (55-55.5)**		**MW-3DD (69.5-70)**		**MW-4 (5-5.5)**	
Sample Depth (feet BGS)	50.0 - 50.5		60.0 - 60.5		5.0 - 5.5		15.0 - 15.5		25.0 - 25.5		35.0 - 35.5		45.0 - 45.5		55.0 - 55.5		69.5 - 70.0		5.0 - 5.5	
Date Collected	10-30-19		10-31-19		11-01-19		11-01-19		11-01-19		11-01-19		11-01-19		11-01-19		11-06-20		10-28-19	
Collected By:	BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI	
Collection Method*	HS		HS		HS		HS		HS		HS		HS		HS		HS		HS	
VOLATILES																				
Date Analyzed	11-2-19 & 11-5-19		11-2-19 & 11-5-19		11-06-19		11-06-19		11-06-19		11-06-19		11-06-19		11-06-19		11-11-20		10-31-19	
Analytical Method No.	EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D	
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL
Methylene Chloride	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	**130**	100	< 100	100	< 140	140
Tetrachloroethene	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 71	71
Trichloroethene	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 71	71

Bolded and shaded exceed applicable criteria

BGS = Below Ground Surface

NA = Not Analyzed

RL = Reporting Limit

* Collection Method Codes (List all that apply): Hollow Stem Auger Split Spoon (HS)

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR SOIL SAMPLES
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-4 (15-15.5)**		**MW-4 (25-25.5)**		**MW-4 (35-35.5)**		**MW-4 (45-45.5)**		**MW-4 (55-55.5)**		**MW-4 (65-65.5)**		**MW-4 (74-74.5)**		**MW-5D (5-5.5)**		**MW-5D (15-15.5)**		**MW-5D (25-25.5)**	
Sample Depth (feet BGS)	15.0 - 15.5		25.0 - 25.5		35.0 - 35.5		45.0 - 45.5		55.0 - 55.5		65.0 - 65.5		74.0 - 74.5		5.0 - 5.5		15.0 - 15.5		25.0 - 25.5	
Date Collected	10-28-19		10-28-19		10-28-19		10-28-19		10-28-19		10-28-19		10-28-19		10-31-19		10-31-19		10-31-19	
Collected By:	BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI	
Collection Method*	HS		HS		HS		HS		HS		HS		HS		HS		HS		HS	
VOLATILES																				
Date Analyzed	10-31-19		10-31-19		10-31-19		10-31-19		10-31-19		10-31-19		10-31-19		11-06-19		11-06-19		11-06-19	
Analytical Method No.	EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D	
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL
Methylene Chloride	< 110	110	< 120	120	< 120	120	< 120	120	< 130	130	< 120	120	< 130	130	< 100	100	< 100	100	< 100	100
Tetrachloroethene	< 57	57	< 58	58	< 61	61	< 61	61	< 66	66	< 58	58	< 65	65	< 50	50	< 50	50	< 50	50
Trichloroethene	< 57	57	< 58	58	< 61	61	< 61	61	< 66	66	< 58	58	< 65	65	< 50	50	< 50	50	< 50	50

Bolded and shaded exceed applicable criteria

BGS = Below Ground Surface

NA = Not Analyzed

RL = Reporting Limit

* Collection Method Codes (List all that apply): Hollow Stem Auger Split Spoon (HS)

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR SOIL SAMPLES
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-5D (35-35.5)**		**MW-5D (45-45.5)**		**MW-5D (55-55.5)**		**MW-5DD (63-63.5)**		**MW-6D (5-5.5)**		**MW-6D (9-9.5)**		**MW-6D (18.5-19)**		**MW-6D (30-30.5)**		**MW-6D (38.5-39)**		**MW-6D (50-50.5)**	
Sample Depth (feet BGS)	35.0 - 35.5		45.0 - 45.5		55.0 - 55.5		63.0 - 63.5		5.0 - 5.5		9.0 - 9.5		18.5 - 19.0		30.0 - 30.5		38.5 - 39.0		50.0 - 50.5	
Date Collected	10-31-19		10-31-19		10-31-19		11-06-20		10-29-19		10-29-19		10-29-19		10-29-19		10-29-19		10-29-19	
Collected By:	BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI	
Collection Method*	HS		HS		HS		HS		HS		HS		HS		HS		HS		HS	
VOLATILES																				
Date Analyzed	11-06-19		11-06-19		11-06-19		11-11-20		11-05-19		11-05-19		11-05-19		11-05-19		11-05-19		11-05-19	
Analytical Method No.	EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D	
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL
Methylene Chloride	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100
Tetrachloroethene	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	**160**	50	< 50	50	< 50	50	**580**	50	< 50	50
Trichloroethene	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50

Bolded and shaded exceed applicable criteria

BGS = Below Ground Surface

NA = Not Analyzed

RL = Reporting Limit

* Collection Method Codes (List all that apply): Hollow Stem Auger Split Spoon (HS)

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR SOIL SAMPLES
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-6D (58.5-59)**		**MW-6D (70-70.5)**		**MW-6D (80-80.5)**		**MW-7D (4.5-5)**		**MW-7D (14.5-15)**		**MW-7D (34.5-35)**		**MW-7D (39-39.5)**		**MW-7D (44.5-45)**		**MW-7D (53.5-54)**		**MW-7D (64.5-65)**	
Sample Depth (feet BGS)	58.5 - 59.0		70.0 - 70.5		80.0 - 80.5		4.5 - 5.0		14.5 - 15.0		34.5 - 35.0		39.0 - 39.5		44.5 - 45.0		53.5 - 54.0		64.5 - 65.0	
Date Collected	10-29-19		10-29-19		10-29-19		11-04-20		11-04-20		11-04-20		11-04-20		11-04-20		11-04-20		11-04-20	
Collected By:	BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI	
Collection Method*	HS		HS		HS		HS		HS		HS		HS		HS		HS		HS	
VOLATILES																				
Date Analyzed	11-05-19		11-05-19		11-05-19		11-09-20		11-09-20		11-09-20		11-09-20		11-09-20		11-09-20		11-09-20	
Analytical Method No.	EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D	
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL
Methylene Chloride	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100
Tetrachloroethene	**1,400**	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50
Trichloroethene	**77**	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50

Bolded and shaded exceed applicable criteria

BGS = Below Ground Surface

NA = Not Analyzed

RL = Reporting Limit

* Collection Method Codes (List all that apply): Hollow Stem Auger Split Spoon (HS)

BLDI

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR SOIL SAMPLES
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-8 (4.5-5)**		**MW-8 (14.5-15)**		**MW-8 (24.5-25)**		**MW-8 (34.5-35)**		**MW-8 (44.5-45)**		**MW-8 (54.5-55)**		**MW-9 (5-5.5)**		**MW-9 (14.5-15)**		**MW-9 (28-28.5)**		**MW-9 (34.5-35)**	
Sample Depth (feet BGS)	4.5 - 5.0		14.5 - 15.0		24.5 - 25.0		34.5 - 35.0		44.5 - 45.0		54.5 - 55.0		5.0 - 5.5		14.5 - 15.0		28.0 - 28.5		34.5 - 35.0	
Date Collected	04-27-21		04-27-21		04-27-21		04-27-21		04-27-21		04-27-21		04-26-21		04-26-21		04-26-21		04-26-21	
Collected By:	BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI	
Collection Method*	HS		HS		HS		HS		HS		HS		HS		HS		HS		HS	
VOLATILES																				
Date Analyzed	04-30-21		05-01-21 & 05-03-21		05-01-21 & 05-03-21		05-01-21 & 05-03-21		05-01-21 & 05-03-21		05-01-21 & 05-03-21		04-29-21		04-29-21		04-28-21		04-28-21	
Analytical Method No.	EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D	
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL
Methylene Chloride	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100
Tetrachloroethene	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 52	52	< 56	56	< 50	50	< 50	50
Trichloroethene	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 52	52	< 56	56	< 50	50	< 50	50

Bolded and shaded exceed applicable criteria

BGS = Below Ground Surface

NA = Not Analyzed

RL = Reporting Limit

* Collection Method Codes (List all that apply): Hollow Stem Auger Split Spoon (HS)

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR SOIL SAMPLES
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-9 (44.5-45)**		**MW-10 (4.5-5)**		**MW-10 (14.5-15)**		**MW-10 (24.5-25)**		**MW-10 (34.5-35)**		**MW-10 (44.5-45)**		**MW-10 (54.5-55)**		**MW-10 (64.5-65)**		**MW-11 (4.5-5)**		**MW-11 (14.5-15)**	
Sample Depth (feet BGS)	44.5 - 45.0		4.5 - 5.0		14.5 - 15.0		24.5 - 25.0		34.5 - 35.0		44.5 - 45.0		54.5 - 55.0		64.5 - 65.0		4.5 - 5.0		14.5 - 15.0	
Date Collected	04-26-21		04-28-21		04-28-21		04-28-21		04-28-21		04-28-21		04-28-21		04-28-21		04-27-21		04-27-21	
Collected By:	BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI	
Collection Method*	HS		HS		HS		HS		HS		HS		HS		HS		HS		HS	
VOLATILES																				
Date Analyzed	04-28-21		05-03-21		05-03-21		05-03-21		05-03-21		05-03-21		05-03-21		05-03-21		05-01-21 & 05-03-21		05-01-21 & 05-03-21	
Analytical Method No.	EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D	
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL
Methylene Chloride	< 100	100	< 120	120	< 110	110	< 100	100	< 100	100	< 110	110	< 110	110	< 110	110	< 100	100	< 100	100
Tetrachloroethene	< 50	50	< 60	60	< 55	55	< 51	51	< 52	52	< 53	53	< 55	55	< 54	54	< 50	50	< 50	50
Trichloroethene	< 50	50	< 60	60	< 55	55	< 51	51	< 52	52	< 53	53	< 55	55	< 54	54	< 50	50	< 50	50

Bolded and shaded exceed applicable criteria

BGS = Below Ground Surface

NA = Not Analyzed

RL = Reporting Limit

* Collection Method Codes (List all that apply): Hollow Stem Auger Split Spoon (HS)

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR SOIL SAMPLES
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-11 (24.5-25)**		**MW-11 (34.5-35)**		**MW-11 (43-43.5)**		**MW-11 (48-48.5)**		**MW-11 (54.5-55)**		**MW-11 (64.5-65)**		**MW-11 (79.5-80)**		**MW-12 (3-3.5)**		**MW-12 (4.5-5)**		**MW-12 (14.5-15)**	
Sample Depth (feet BGS)	24.5 - 25.0		34.5 - 35.0		43.0 - 43.5		48.0 - 48.5		54.5 - 55.0		64.5 - 65.0		79.5 - 80.0		3.0 - 3.5		4.5 - 5.0		14.5 - 15.0	
Date Collected	04-27-21		04-27-21		04-27-21		04-27-21		04-27-21		04-27-21		04-27-21		04-28-21		04-28-21		04-28-21	
Collected By:	BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI		BLDI	
Collection Method*	HS		HS		HS		HS		HS		HS		HS		HS		HS		HS	
VOLATILES																				
Date Analyzed	05-01-21 & 05-03-21		05-01-21 & 05-03-21		05-01-21 & 05-03-21		05-01-21 & 05-03-21		05-01-21 & 05-03-21		05-01-21 & 05-03-21		05-01-21 & 05-03-21		05-01-21		05-01-21		05-01-21	
Analytical Method No.	EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D	
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL
Methylene Chloride	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 140	140	< 150	150	< 110	110
Tetrachloroethene	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 72	72	< 75	75	< 57	57
Trichloroethene	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 72	72	< 75	75	< 57	57

Bolded and shaded exceed applicable criteria

BGS = Below Ground Surface

NA = Not Analyzed

RL = Reporting Limit

* Collection Method Codes (List all that apply): Hollow Stem Auger Split Spoon (HS)

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR SOIL SAMPLES
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-12 (23.5-24)**		**MW-18D (4.5-5)**		**MW-18D (14.5-15)**		**MW-18D (24-24.5)**		**MW-18D (34.5-35)**		**MW-18D (44.5-45)**									
Sample Depth (feet BGS)	23.5 - 24.0		4.5 - 5.0		14.5 - 15.0		24.0 - 24.5		34.5 - 35.0		44.5 - 45.0									
Date Collected	04-28-21		11-05-20		11-05-20		11-05-20		11-05-20		11-05-20									
Collected By:	BLDI		BLDI		BLDI		BLDI		BLDI		BLDI									
Collection Method*	HS		HS		HS		HS		HS		HS									
VOLATILES																				
Date Analyzed	05-01-21		11-10-20		11-10-20		11-10-20		11-10-20		11-10-20									
Analytical Method No.	EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D		EPA 5035A/EPA 8260D									
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL								
Methylene Chloride	< 140	140	< 120	120	< 100	100	< 100	100	< 110	110	< 140	140								
Tetrachloroethene	< 72	72	< 59	59	< 51	51	< 53	53	< 54	54	< 69	69								
Trichloroethene	< 72	72	< 59	59	< 51	51	< 53	53	< 54	54	< 69	69								

Bolded and shaded exceed applicable criteria

BGS = Below Ground Surface

NA = Not Analyzed

RL = Reporting Limit

* Collection Method Codes (List all that apply): Hollow Stem Auger Split Spoon (HS)

BLDI

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-1**		**MW-1**					
Sample Depth (feet BGS)	60.33 - 65.33		60.33 - 65.33					
Date Collected	06-14-19		06-18-20					
Collected By:	BLDI		BLDI					
Collection Method*	SP, LF		SP, LF					
VOLATILES								
Date Analyzed	06-18-19		06-29-20					
Analytical Method No.	EPA 5030C/EPA 8260B		EPA 5030C/EPA 8260D					
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL				
Benzene	< 1.0	1.0	< 1.0	1.0				
Carbon Tetrachloride	< 1.0	1.0	< 1.0	1.0				
1,1-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
1,2-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
cis-1,2-Dichloroethylene	< 1.0	1.0	< 1.0	1.0				
Tetrachloroethene	**8.4**	1.0	**8.0**	1.0				
1,1,1-Trichloroethane	< 1.0	1.0	< 1.0	1.0				
Vinyl Chloride	< 1.0	1.0	< 1.0	1.0				

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-1S**		**MW-1S**					
Sample Depth (feet BGS)	37 - 42		37 - 42					
Date Collected	11-26-19		06-18-20					
Collected By:	BLDI		BLDI					
Collection Method*	SP, LF		SP, LF					
VOLATILES								
Date Analyzed	12-07-19		06-29-20					
Analytical Method No.	EPA 5030C/EPA 8260D		EPA 5030C/EPA 8260D					
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL				
Benzene	< 1.0	1.0	< 1.0	1.0				
Carbon Tetrachloride	< 1.0	1.0	< 1.0	1.0				
1,1-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
1,2-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
cis-1,2-Dichloroethylene	< 1.0	1.0	< 1.0	1.0				
Tetrachloroethene	**1.1**	1.0	< 1.0	1.0				
1,1,1-Trichloroethane	< 1.0	1.0	< 1.0	1.0				
Vinyl Chloride	< 1.0	1.0	< 1.0	1.0				

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-1DD**							
Sample Depth (feet BGS)	80 - 85							
Date Collected	12-21-20							
Collected By:	BLDI							
Collection Method*	SP, LF							
VOLATILES								
Date Analyzed	12-29-20							
Analytical Method No.	EPA 5030C/EPA 8260D							
CONSTITUENT (ug/kg)	Conc	RL						
Benzene	< 1.0	1.0						
Carbon Tetrachloride	< 1.0	1.0						
1,1-Dichloroethane	< 1.0	1.0						
1,2-Dichloroethane	< 1.0	1.0						
cis-1,2-Dichloroethylene	< 1.0	1.0						
Tetrachloroethene	< 1.0	1.0						
1,1,1-Trichloroethane	< 1.0	1.0						
Vinyl Chloride	< 1.0	1.0						

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-2S**		**MW-2S**					
Sample Depth (feet BGS)	62.5 - 67.5		62.5 - 67.5					
Date Collected	12-17-19		06-18-20					
Collected By:	BLDI		BLDI					
Collection Method*	SP, LF		SP, LF					
VOLATILES								
Date Analyzed	12-20-19		06-25-20					
Analytical Method No.	EPA 5030C/EPA 8260D		EPA 5030C/EPA 8260D					
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL				
Benzene	< 1.0	1.0	< 1.0	1.0				
Carbon Tetrachloride	< 1.0	1.0	< 1.0	1.0				
1,1-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
1,2-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
cis-1,2-Dichloroethylene	< 1.0	1.0	< 1.0	1.0				
Tetrachloroethene	< 1.0	1.0	< 1.0	1.0				
1,1,1-Trichloroethane	< 1.0	1.0	< 1.0	1.0				
Vinyl Chloride	< 1.0	1.0	< 1.0	1.0				

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-2D**		**MW-2D**					
Sample Depth (feet BGS)	72.5 - 77.5		72.5 - 77.5					
Date Collected	12-17-19		06-18-20					
Collected By:	BLDI		BLDI					
Collection Method*	SP, LF		SP, LF					
VOLATILES								
Date Analyzed	12-20-19		06-25-20					
Analytical Method No.	EPA 5030C/EPA 8260D		EPA 5030C/EPA 8260D					
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL				
Benzene	< 1.0	1.0	< 1.0	1.0				
Carbon Tetrachloride	**2.7**	1.0	< 1.0	1.0				
1,1-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
1,2-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
cis-1,2-Dichloroethylene	< 1.0	1.0	< 1.0	1.0				
Tetrachloroethene	**12**	1.0	< 1.0	1.0				
1,1,1-Trichloroethane	< 1.0	1.0	< 1.0	1.0				
Vinyl Chloride	< 1.0	1.0	< 1.0	1.0				

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-3**		**MW-3**					
Sample Depth (feet BGS)	62.23 - 67.23		62.23 - 67.23					
Date Collected	06-14-19		06-19-20					
Collected By:	BLDI		BLDI					
Collection Method*	SP, LF		SP, LF					
VOLATILES								
Date Analyzed	06-19-19		06-25-20					
Analytical Method No.	EPA 5030C/EPA 8260B		EPA 5030C/EPA 8260D					
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL				
Benzene	< 1.0	1.0	< 1.0	1.0				
Carbon Tetrachloride	< 1.0	1.0	< 1.0	1.0				
1,1-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
1,2-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
cis-1,2-Dichloroethylene	< 1.0	1.0	< 1.0	1.0				
Tetrachloroethene	< 1.0	1.0	< 1.0	1.0				
1,1,1-Trichloroethane	< 1.0	1.0	< 1.0	1.0				
Vinyl Chloride	< 1.0	1.0	< 1.0	1.0				

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-3S**		**MW-3S**					
Sample Depth (feet BGS)	55 - 60		55 - 60					
Date Collected	11-26-19		06-19-20					
Collected By:	BLDI		BLDI					
Collection Method*	SP, LF		SP, LF					
VOLATILES								
Date Analyzed	12-07-19		06-25-20					
Analytical Method No.	EPA 5030C/EPA 8260D		EPA 5030C/EPA 8260D					
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL				
Benzene	< 1.0	1.0	< 1.0	1.0				
Carbon Tetrachloride	< 1.0	1.0	< 1.0	1.0				
1,1-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
1,2-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
cis-1,2-Dichloroethylene	< 1.0	1.0	< 1.0	1.0				
Tetrachloroethene	< 1.0	1.0	< 1.0	1.0				
1,1,1-Trichloroethane	< 1.0	1.0	< 1.0	1.0				
Vinyl Chloride	< 1.0	1.0	< 1.0	1.0				

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-3DD**		**MW-3DD**		**MW-3DD**			
Sample Depth (feet BGS)	82 - 87		82 - 87		82 - 87			
Date Collected	12-21-20		03-30-21		09-09-21			
Collected By:	BLDI		BLDI		BLDI			
Collection Method*	SP, LF		SP, LF		SP, LF			
VOLATILES								
Date Analyzed	12-29-20		04-03-21		09-13-21 & 09-14-21			
Analytical Method No.	EPA 5030C/EPA 8260D		EPA 5030C/EPA 8260D		EPA 5030C/EPA 8260D			
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL	Conc	RL		
Benzene	**1.9**	1.0	**2.1**	1.0	**2.4**	1.0		
Carbon Tetrachloride	< 1.0	1.0	<1.0	1.0	<1.0	1.0		
1,1-Dichloroethane	< 1.0	1.0	< 1.0	1.0	**1.2**	1.0		
1,2-Dichloroethane	< 1.0	1.0	<1.0	1.0	<1.0	1.0		
cis-1,2-Dichloroethylene	< 1.0	1.0	**1.3**	1.0	**1.7**	1.0		
Tetrachloroethene	< 1.0	1.0	<1.0	1.0	<1.0	1.0		
1,1,1-Trichloroethane	< 1.0	1.0	<1.0	1.0	<1.0	1.0		
Vinyl Chloride	**2.6**	1.0	**3.3**	1.0	**4.1**	1.0		

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-4**		**MW-4**					
Sample Depth (feet BGS)	73 - 78		73 - 78					
Date Collected	11-26-19		06-19-20					
Collected By:	BLDI		BLDI					
Collection Method*	SP, LF		SP, LF					
VOLATILES								
Date Analyzed	12-07-19		06-25-20					
Analytical Method No.	EPA 5030C/EPA 8260D		EPA 5030C/EPA 8260D					
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL				
Benzene	< 1.0	1.0	< 1.0	1.0				
Carbon Tetrachloride	< 1.0	1.0	**1.6**	1.0				
1,1-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
1,2-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
cis-1,2-Dichloroethylene	< 1.0	1.0	< 1.0	1.0				
Tetrachloroethene	**13**	1.0	**13**	1.0				
1,1,1-Trichloroethane	< 1.0	1.0	< 1.0	1.0				
Vinyl Chloride	< 1.0	1.0	< 1.0	1.0				

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-5S**		**MW-5S**					
Sample Depth (feet BGS)	57 - 62		57 - 62					
Date Collected	11-26-19		06-18-20					
Collected By:	BLDI		BLDI					
Collection Method*	SP, LF		SP, LF					
VOLATILES								
Date Analyzed	12-07-19		06-25-20					
Analytical Method No.	EPA 5030C/EPA 8260D		EPA 5030C/EPA 8260D					
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL				
Benzene	< 1.0	1.0	< 1.0	1.0				
Carbon Tetrachloride	< 1.0	1.0	< 1.0	1.0				
1,1-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
1,2-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
cis-1,2-Dichloroethylene	< 1.0	1.0	< 1.0	1.0				
Tetrachloroethene	< 1.0	1.0	< 1.0	1.0				
1,1,1-Trichloroethane	< 1.0	1.0	< 1.0	1.0				
Vinyl Chloride	< 1.0	1.0	< 1.0	1.0				

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-5D**		**MW-5D**					
Sample Depth (feet BGS)	67 - 72		67 - 72					
Date Collected	11-26-19		06-18-20					
Collected By:	BLDI		BLDI					
Collection Method*	SP, LF		SP, LF					
VOLATILES								
Date Analyzed	12-7-19 & 12-8-19		06-25-20					
Analytical Method No.	EPA 5030C/EPA 8260D		EPA 5030C/EPA 8260D					
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL				
Benzene	< 1.0	1.0	< 1.0	1.0				
Carbon Tetrachloride	**2.1**	1.0	**1.7**	1.0				
1,1-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
1,2-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
cis-1,2-Dichloroethylene	< 1.0	1.0	< 1.0	1.0				
Tetrachloroethene	**9.0**	1.0	**7.1**	1.0				
1,1,1-Trichloroethane	< 1.0	1.0	< 1.0	1.0				
Vinyl Chloride	< 1.0	1.0	< 1.0	1.0				

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-5DD**							
Sample Depth (feet BGS)	87 - 92							
Date Collected	12-21-20							
Collected By:	BLDI							
Collection Method*	SP, LF							
VOLATILES								
Date Analyzed	12-29-20							
Analytical Method No.	EPA 5030C/EPA 8260D							
CONSTITUENT (ug/kg)	Conc	RL						
Benzene	< 1.0	1.0						
Carbon Tetrachloride	< 1.0	1.0						
1,1-Dichloroethane	< 1.0	1.0						
1,2-Dichloroethane	< 1.0	1.0						
cis-1,2-Dichloroethylene	< 1.0	1.0						
Tetrachloroethene	< 1.0	1.0						
1,1,1-Trichloroethane	< 1.0	1.0						
Vinyl Chloride	< 1.0	1.0						

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-6S**		**MW-6S**					
Sample Depth (feet BGS)	76.5 - 81.5		76.5 - 81.5					
Date Collected	11-27-19		06-19-20					
Collected By:	BLDI		BLDI					
Collection Method*	SP, LF		SP, LF					
VOLATILES								
Date Analyzed	12-08-19		06-26-20					
Analytical Method No.	EPA 5030C/EPA 8260D		EPA 5030C/EPA 8260D					
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL				
Benzene	< 1.0	1.0	< 1.0	1.0				
Carbon Tetrachloride	**3.1**	1.0	**2.7**	1.0				
1,1-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
1,2-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
cis-1,2-Dichloroethylene	< 1.0	1.0	< 1.0	1.0				
Tetrachloroethene	**18**	1.0	**16**	1.0				
1,1,1-Trichloroethane	**4.7**	1.0	< 1.0	1.0				
Vinyl Chloride	< 1.0	1.0	< 1.0	1.0				

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-6D**		**MW-6D DUP**		**MW-6D**			
Sample Depth (feet BGS)	86.5 - 91.5		86.5 - 91.5		86.5 - 91.5			
Date Collected	11-27-19		11-27-19		06-19-20			
Collected By:	BLDI		BLDI		BLDI			
Collection Method*	SP, LF		SP, LF		SP, LF			
VOLATILES								
Date Analyzed	12-7-19 & 12-8-19		12-7-19 & 12-8-19		06-26-20			
Analytical Method No.	EPA 5030C/EPA 8260D		EPA 5030C/EPA 8260D		EPA 5030C/EPA 8260D			
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL	Conc	RL		
Benzene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0		
Carbon Tetrachloride	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0		
1,1-Dichloroethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0		
1,2-Dichloroethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0		
cis-1,2-Dichloroethylene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0		
Tetrachloroethene	**2.1**	1.0	**2.4**	1.0	**1.1**	1.0		
1,1,1-Trichloroethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0		
Vinyl Chloride	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0		

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-7S**							
Sample Depth (feet BGS)	70 - 75							
Date Collected	12-22-20							
Collected By:	BLDI							
Collection Method*	SP, LF							
VOLATILES								
Date Analyzed	12-29-20							
Analytical Method No.	EPA 5030C/EPA 8260D							
CONSTITUENT (ug/kg)	Conc	RL						
Benzene	< 1.0	1.0						
Carbon Tetrachloride	< 1.0	1.0						
1,1-Dichloroethane	< 1.0	1.0						
1,2-Dichloroethane	< 1.0	1.0						
cis-1,2-Dichloroethylene	< 1.0	1.0						
Tetrachloroethene	**1.8**	1.0						
1,1,1-Trichloroethane	< 1.0	1.0						
Vinyl Chloride	< 1.0	1.0						

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-7D**		**MW-7D DUP**					
Sample Depth (feet BGS)	90 - 95		90 - 95					
Date Collected	12-22-20		12-22-20					
Collected By:	BLDI		BLDI					
Collection Method*	SP, LF		SP, LF					
VOLATILES								
Date Analyzed	12-29-20		12-29-20					
Analytical Method No.	EPA 5030C/EPA 8260D		EPA 5030C/EPA 8260D					
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL				
Benzene	< 1.0	1.0	< 1.0	1.0				
Carbon Tetrachloride	< 1.0	1.0	< 1.0	1.0				
1,1-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
1,2-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
cis-1,2-Dichloroethylene	< 1.0	1.0	< 1.0	1.0				
Tetrachloroethene	< 1.0	1.0	< 1.0	1.0				
1,1,1-Trichloroethane	< 1.0	1.0	< 1.0	1.0				
Vinyl Chloride	< 1.0	1.0	< 1.0	1.0				

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-8**							
Sample Depth (feet BGS)	65 - 70							
Date Collected	09-09-21							
Collected By:	BLDI							
Collection Method*	SP, LF							
VOLATILES								
Date Analyzed	09-13-21 & 09-14-21							
Analytical Method No.	EPA 5030C/EPA 8260D							
CONSTITUENT (ug/kg)	Conc	RL						
Benzene	< 1.0	1.0						
Carbon Tetrachloride	< 1.0	1.0						
1,1-Dichloroethane	< 1.0	1.0						
1,2-Dichloroethane	< 1.0	1.0						
cis-1,2-Dichloroethylene	< 1.0	1.0						
Tetrachloroethene	< 1.0	1.0						
1,1,1-Trichloroethane	< 1.0	1.0						
Vinyl Chloride	< 1.0	1.0						

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-9**							
Sample Depth (feet BGS)	74 - 79							
Date Collected	09-09-21							
Collected By:	BLDI							
Collection Method*	SP, LF							
VOLATILES								
Date Analyzed	09-14-21 & 09-16-21							
Analytical Method No.	EPA 5030C/EPA 8260D							
CONSTITUENT (ug/kg)	Conc	RL						
Benzene	< 1.0	1.0						
Carbon Tetrachloride	< 1.0	1.0						
1,1-Dichloroethane	< 1.0	1.0						
1,2-Dichloroethane	< 1.0	1.0						
cis-1,2-Dichloroethylene	< 1.0	1.0						
Tetrachloroethene	**1.3**	1.0						
1,1,1-Trichloroethane	< 1.0	1.0						
Vinyl Chloride	< 1.0	1.0						

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-10**							
Sample Depth (feet BGS)	97 - 102							
Date Collected	09-09-21							
Collected By:	BLDI							
Collection Method*	SP, LF							
VOLATILES								
Date Analyzed	09-14-21 & 09-16-21							
Analytical Method No.	EPA 5030C/EPA 8260D							
CONSTITUENT (ug/kg)	Conc	RL						
Benzene	< 1.0	1.0						
Carbon Tetrachloride	< 1.0	1.0						
1,1-Dichloroethane	< 1.0	1.0						
1,2-Dichloroethane	< 1.0	1.0						
cis-1,2-Dichloroethylene	< 1.0	1.0						
Tetrachloroethene	< 1.0	1.0						
1,1,1-Trichloroethane	< 1.0	1.0						
Vinyl Chloride	< 1.0	1.0						

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-11**							
Sample Depth (feet BGS)	67 - 72							
Date Collected	09-09-21							
Collected By:	BLDI							
Collection Method*	SP, LF							
VOLATILES								
Date Analyzed	09-13-21 & 09-14-21							
Analytical Method No.	EPA 5030C/EPA 8260D							
CONSTITUENT (ug/kg)	Conc	RL						
Benzene	< 1.0	1.0						
Carbon Tetrachloride	< 1.0	1.0						
1,1-Dichloroethane	< 1.0	1.0						
1,2-Dichloroethane	< 1.0	1.0						
cis-1,2-Dichloroethylene	< 1.0	1.0						
Tetrachloroethene	< 1.0	1.0						
1,1,1-Trichloroethane	< 1.0	1.0						
Vinyl Chloride	< 1.0	1.0						

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-12**		**MW-12 DUP**					
Sample Depth (feet BGS)	35 - 40		35 - 40					
Date Collected	09-09-21		09-09-21					
Collected By:	BLDI		BLDI					
Collection Method*	SP, LF		SP, LF					
VOLATILES								
Date Analyzed	09-14-21 & 09-16-21		09-13-21 & 09-14-21					
Analytical Method No.	EPA 5030C/EPA 8260D		EPA 5030C/EPA 8260D					
CONSTITUENT (ug/kg)	Conc	RL	Conc	RL				
Benzene	< 1.0	1.0	< 1.0	1.0				
Carbon Tetrachloride	< 1.0	1.0	< 1.0	1.0				
1,1-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
1,2-Dichloroethane	< 1.0	1.0	< 1.0	1.0				
cis-1,2-Dichloroethylene	< 1.0	1.0	< 1.0	1.0				
Tetrachloroethene	< 1.0	1.0	< 1.0	1.0				
1,1,1-Trichloroethane	< 1.0	1.0	< 1.0	1.0				
Vinyl Chloride	< 1.0	1.0	< 1.0	1.0				

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Sample ID	**MW-18D**							
Sample Depth (feet BGS)	70 - 75							
Date Collected	12-21-20							
Collected By:	BLDI							
Collection Method*	SP, LF							
VOLATILES								
Date Analyzed	12-29-20							
Analytical Method No.	EPA 5030C/EPA 8260D							
CONSTITUENT (ug/kg)	Conc	RL						
Benzene	< 1.0	1.0						
Carbon Tetrachloride	< 1.0	1.0						
1,1-Dichloroethane	< 1.0	1.0						
1,2-Dichloroethane	< 1.0	1.0						
cis-1,2-Dichloroethylene	< 1.0	1.0						
Tetrachloroethene	< 1.0	1.0						
1,1,1-Trichloroethane	< 1.0	1.0						
Vinyl Chloride	< 1.0	1.0						

Note: Table only includes detected analytes; please refer to the laboratory analytical report for the full list of analytes.
Bolded and shaded exceed applicable criteria
BGS = Below Ground Surface
NA = Not Analyzed
RL = Reporting Limit
* Collection Method Codes (List all that apply): Submersible Pump (SP), Low Flow (LF)

TABLE 5
GROUNDWATER ELEVATION DATA
FACILITY NAME: Lowell Landfill
FACILITY ID NO.: 34000010

Monitoring Well I.D.	Ground Elevation (ft.)	T.O.C. Elevation (ft.)	Screened Interval (ft. bgs)	Depth to T.O.S (ft. bgs)	Elevation of T.O.S (ft)	November 4, 2020		December 21, 2020		September 9, 2021	
						Depth Below T.O.C. (ft.)	Groundwater Elevation (ft.)	Depth Below T.O.C. (ft.)	Groundwater Elevation (ft.)	Depth Below T.O.C. (ft.)	Groundwater Elevation (ft.)
MW-1S	791.71	795.32	37- 42	37.00	754.71	38.94	756.38	39.29	756.03	41.31	754.01
MW-1	791.90	795.24	62.33 - 65.33*	62.33	729.57	38.96	756.28	39.23	756.01	41.25	753.99
MW-1DD	792.40	795.53	80 - 85	80.00	712.40	---	---	40.67	754.86	42.84	752.69
MW-2	791.70	792.72	74.23 - 77.23*	74.23	717.47	---	---	65.71	727.01	71.38	721.34
MW-2S	792.29	795.43	62.5 - 67.5	62.50	729.79	63.99	731.44	64.41	731.02	69.60	725.83
MW-2D	792.27	795.46	72.5 - 77.5	72.50	719.77	67.95	727.51	68.48	726.98	67.06	728.40
MW-3S	794.58	796.59	55 - 60	55.00	739.58	59.52	737.07	60.15	736.44	61.40	735.19
MW-3	795.20	796.23	64.23 - 67.23*	64.23	730.97	58.14	738.09	58.75	737.48	61.03	735.20
MW-3DD	793.09	796.43	82 - 87	82.00	711.09	---	---	69.78	726.65	73.35	723.08
MW-4	827.70	831.38	73 - 78	73.00	754.70	75.94	755.44	76.47	754.91	79.26	752.12
MW-5S	781.08	784.14	57 - 62	57.00	724.08	58.26	725.88	57.27	726.87	61.14	723.00
MW-5D	780.72	783.97	67 - 72	67.00	713.72	58.32	725.65	58.90	725.07	70.01	713.96
MW-5DD	781.50	785.05	87 - 92	87.00	694.50	---	---	58.10	726.95	60.87	724.18
MW-6S	827.81	831.05	76.5 - 81.5	76.50	751.31	77.58	753.47	78.00	753.05	80.70	750.35
MW-6D	827.73	830.80	86.5 - 91.5	86.50	741.23	77.33	753.47	77.77	753.03	80.51	750.29
MW-7S	825.61	829.03	70 - 75	70.00	755.61	---	---	73.36	755.67	75.91	753.12
MW-7D	826.90	830.36	90 - 95	90.00	736.90	---	---	74.18	756.18	76.66	753.70
MW-8	795.70	798.74	65 - 70	65.00	730.70	---	---	---	---	66.32	732.42
MW-9	803.16	806.52	74 - 79	74.00	729.16	---	---	---	---	52.81	753.71
MW-10	825.14	828.32	97 - 102	97.00	728.14	---	---	---	---	73.17	755.15
MW-11	794.46	797.67	67 - 72	67.00	727.46	---	---	---	---	72.65	725.02
MW-12	753.14	756.46	35 - 40	35.00	718.14	---	---	---	---	36.20	720.26
MW-18D	798.99	802.34	70 - 75	70.00	728.99	---	---	50.30	752.04	50.98	751.36

*Source: April 1987 EIS - Hydrogeological Study Report
TOC - Top of Casing
TOS - Top of Screen

APPENDIX A

Laboratory Analytical Report

BLDI

Fibertec
environmental
services

Monday, May 03, 2021

Fibertec Project Number:	A01480
Project Identification:	Lowell Landfill (194688) /194688
Submittal Date:	04/27/2021

Ms. Renee Pewitt
BLDI, Inc.
150 Fountain Street NE
Grand Rapids, MI 49503

Dear Ms. Pewitt,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 7 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

Sue Ricketts

By Sue Ricketts at 11:29 AM, May 03, 2021

For Daryl P. Strandbergh
Laboratory Director

Enclosures

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-9 (5-5.5)**	Chain of Custody:	**185081**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/26/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:35**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01480-001** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW-9 (5-5.5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**3**		%	1	1.0	04/28/21	MC210428	04/29/21	MC210428	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01480-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-9 (5-5.5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
3. Benzene	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
4. Bromobenzene	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
5. Bromochloromethane	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
6. Bromodichloromethane	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
7. Bromoform	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
8. Bromomethane	U		µg/kg	200	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
9. 2-Butanone	U		µg/kg	750	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
10. n-Butylbenzene	U		µg/kg	52	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
11. sec-Butylbenzene	U		µg/kg	52	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
12. tert-Butylbenzene	U		µg/kg	52	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
13. Carbon Disulfide	U		µg/kg	250	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
15. Chlorobenzene	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
16. Chloroethane	U		µg/kg	250	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
17. Chloroform	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
18. Chloromethane	U		µg/kg	260	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
21. Dibromochloromethane	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
22. Dibromomethane	U		µg/kg	250	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
26. Dichlorodifluoromethane	U		µg/kg	260	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
27. 1,1-Dichloroethane	U		µg/kg	52	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
28. 1,2-Dichloroethane	U		µg/kg	52	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-9 (5-5.5)**	Chain of Custody:	**185081**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/26/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:35**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01480-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-9 (5-5.5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
32. 1,2-Dichloropropane	U		µg/kg	52	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
33. cis-1,3-Dichloropropene	U		µg/kg	52	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
34. trans-1,3-Dichloropropene	U		µg/kg	52	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
35. Ethylbenzene	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
37. 2-Hexanone	U	V+	µg/kg	2500	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
38. Isopropylbenzene	U		µg/kg	250	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
40. Methylene Chloride	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
‡ 41. 2-Methylnaphthalene	U	V+	µg/kg	330	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
42. MTBE	U		µg/kg	250	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
43. Naphthalene	U		µg/kg	330	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
44. n-Propylbenzene	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
45. Styrene	U		µg/kg	52	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	52	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
48. Tetrachloroethene	U		µg/kg	52	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
49. Toluene	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
51. 1,1,1-Trichloroethane	U		µg/kg	52	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
53. Trichloroethene	U		µg/kg	52	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
59. Vinyl Chloride	U		µg/kg	40	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
60. m&p-Xylene	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
61. o-Xylene	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
‡ 62. Xylenes	U		µg/kg	150	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-9 (14.5-15)**	Chain of Custody:	**185081**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/26/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:46**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01480-002** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW-9 (14.5-15)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**4**		%	1	1.0	04/28/21	MC210428	04/29/21	MC210428	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01480-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-9 (14.5-15)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
‡ 2. Acrylonitrile	U		µg/kg	110	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
3. Benzene	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
4. Bromobenzene	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
5. Bromochloromethane	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
6. Bromodichloromethane	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
7. Bromoform	U		µg/kg	110	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
8. Bromomethane	U		µg/kg	200	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
9. 2-Butanone	U		µg/kg	750	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
10. n-Butylbenzene	U		µg/kg	56	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
11. sec-Butylbenzene	U		µg/kg	56	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
12. tert-Butylbenzene	U		µg/kg	56	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
13. Carbon Disulfide	U		µg/kg	250	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
15. Chlorobenzene	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
16. Chloroethane	U		µg/kg	250	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
17. Chloroform	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
18. Chloromethane	U		µg/kg	280	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
21. Dibromochloromethane	U		µg/kg	110	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
22. Dibromomethane	U		µg/kg	250	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
26. Dichlorodifluoromethane	U		µg/kg	280	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
27. 1,1-Dichloroethane	U		µg/kg	56	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
28. 1,2-Dichloroethane	U		µg/kg	56	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-9 (14.5-15)**	Chain of Custody:	**185081**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/26/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:46**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01480-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-9 (14.5-15)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
32. 1,2-Dichloropropane	U		µg/kg	56	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
33. cis-1,3-Dichloropropene	U		µg/kg	56	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
34. trans-1,3-Dichloropropene	U		µg/kg	56	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
35. Ethylbenzene	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
37. 2-Hexanone	U	V+	µg/kg	2500	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
38. Isopropylbenzene	U		µg/kg	250	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
40. Methylene Chloride	U		µg/kg	110	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
‡ 41. 2-Methylnaphthalene	U	V+	µg/kg	330	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
42. MTBE	U		µg/kg	250	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
43. Naphthalene	U		µg/kg	330	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
44. n-Propylbenzene	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
45. Styrene	U		µg/kg	56	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	56	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
48. Tetrachloroethene	U		µg/kg	56	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
49. Toluene	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
51. 1,1,1-Trichloroethane	U		µg/kg	56	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
53. Trichloroethene	U		µg/kg	56	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
55. 1,2,3-Trichloropropane	U		µg/kg	110	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
59. Vinyl Chloride	U		µg/kg	40	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
60. m&p-Xylene	U		µg/kg	100	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
61. o-Xylene	U		µg/kg	50	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM
‡ 62. Xylenes	U		µg/kg	150	1.0	04/29/21	VJ21D29D	04/29/21	VJ21D29D	JLM

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-9 (28-28.5)**	Chain of Custody:	**185081**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/26/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:04**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01480-003** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW-9 (28-28.5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**4**		%	1	1.0	04/28/21	MC210428	04/29/21	MC210428	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01480-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-9 (28-28.5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U	V+	µg/kg	1000	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
‡ 2. Acrylonitrile	U		µg/kg	110	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
3. Benzene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
4. Bromobenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
7. Bromoform	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
8. Bromomethane	U		µg/kg	200	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
9. 2-Butanone	U	V+	µg/kg	750	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
10. n-Butylbenzene	U		µg/kg	55	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
14. Carbon Tetrachloride	U		µg/kg	55	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
16. Chloroethane	U	V+	µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
17. Chloroform	U		µg/kg	55	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
18. Chloromethane	U		µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
22. Dibromomethane	U		µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
26. Dichlorodifluoromethane	U	V+	µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
28. 1,2-Dichloroethane	U		µg/kg	55	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-9 (28-28.5)**	Chain of Custody:	**185081**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/26/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:04**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01480-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-9 (28-28.5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
32. 1,2-Dichloropropane	U		µg/kg	55	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	55	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
42. MTBE	U		µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
43. Naphthalene	U		µg/kg	330	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
45. Styrene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	55	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
49. Toluene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	55	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
53. Trichloroethene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
61. o-Xylene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-9 (34.5-35)**	Chain of Custody:	**185081**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/26/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:11**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01480-004** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW-9 (34.5-35)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**3**		%	1	1.0	04/28/21	MC210428	04/29/21	MC210428	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01480-004A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-9 (34.5-35)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U	V+	µg/kg	1000	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
‡ 2. Acrylonitrile	U		µg/kg	110	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
3. Benzene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
4. Bromobenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
7. Bromoform	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
8. Bromomethane	U		µg/kg	200	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
9. 2-Butanone	U	V+	µg/kg	750	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
10. n-Butylbenzene	U		µg/kg	54	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
14. Carbon Tetrachloride	U		µg/kg	54	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
16. Chloroethane	U	V+	µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
17. Chloroform	U		µg/kg	54	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
18. Chloromethane	U		µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
22. Dibromomethane	U		µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
26. Dichlorodifluoromethane	U	V+	µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
28. 1,2-Dichloroethane	U		µg/kg	54	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-9 (34.5-35)**	Chain of Custody:	**185081**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/26/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:11**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01480-004A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-9 (34.5-35)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
32. 1,2-Dichloropropane	U		µg/kg	54	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	54	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
42. MTBE	U		µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
43. Naphthalene	U		µg/kg	330	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
45. Styrene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	54	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
49. Toluene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	54	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
53. Trichloroethene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
61. o-Xylene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-9 (44.5-45)**	Chain of Custody:	**185081**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/26/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:29**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01480-005** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW-9 (44.5-45)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**2**		%	1	1.0	04/28/21	MC210428	04/29/21	MC210428	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01480-005A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-9 (44.5-45)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U	V+	µg/kg	1000	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
‡ 2. Acrylonitrile	U		µg/kg	110	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
3. Benzene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
4. Bromobenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
7. Bromoform	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
8. Bromomethane	U		µg/kg	200	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
9. 2-Butanone	U	V+	µg/kg	750	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
10. n-Butylbenzene	U		µg/kg	54	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
14. Carbon Tetrachloride	U		µg/kg	54	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
16. Chloroethane	U	V+	µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
17. Chloroform	U		µg/kg	54	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
18. Chloromethane	U		µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
22. Dibromomethane	U		µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
26. Dichlorodifluoromethane	U	V+	µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
28. 1,2-Dichloroethane	U		µg/kg	54	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-9 (44.5-45)**	Chain of Custody:	**185081**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/26/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:29**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01480-005A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-9 (44.5-45)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
32. 1,2-Dichloropropane	U		µg/kg	54	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	54	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
42. MTBE	U		µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
43. Naphthalene	U		µg/kg	330	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
45. Styrene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	54	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
49. Toluene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	54	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
53. Trichloroethene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
61. o-Xylene	U		µg/kg	50	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	04/28/21	VP21D28A	04/28/21	VP21D28A	JMF

Definitions/ Qualifiers:

A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
M: Modified Method
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
***:** Value reported is outside QC limits

Exception Summary:

V+ : Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.

Analysis Locations:

All analyses performed in Holt.

Accreditation Number(s):

T104704518-19-8 (TX)

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertecihs.com

Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # **185081**

PAGE 1 of ___

Client Name: BLDI
Contact Person: Renee Rewitt
Project Name/ Number: 194688.20 / Lowell
Email distribution list: vinans@bldi.com
ReneeR@bldi.com, Annikaw@bldi.com,
Quote#
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	VOCs	HOLD SAMPLE	Remarks
4/26/21	1035		MW-9 (5-5.5)	S	2	X		
	1046		MW-9 (14.5-15)					
	1104		MW-9 (28-28.5)					
	1111		MW-9 (34.5-35)					
	1129		MW-9 (44.5-45)					
	1149		MW-9 (54.5-55)				X	hold
	1224		MW-9 (64.5-65)				X	hold
	1308		MW-9 (74.5-75)				X	hold
4/26/21	1326		MW-9 (879.5-80)	S	2	X	X	hold

Matrix Code: S Soil; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Deliverables: Level 2; Level 3; Level 4; EDD

Received By Lab
APR 27 2021
Initials: CI

Comments:

	Date/ Time	
Sampled/Relinquished By:	4/27/2021 @ 1449	Received By:
Relinquished By:	4-27-21 1617	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

___1 bus. day ___2 bus. days ___3 bus. days X 4 bus. days

___5-7 bus. days (standard) Other (specify time/date requirement): ___

LAB USE ONLY

Fibertec project number: A01480
Temperature upon receipt at Lab: 2.0°C

Received On Ice

Please see back for terms and conditions

Fibertec
environmental
services

Tuesday, May 4, 2021

Fibertec Project Number:	A01508
Project Identification:	Lowell Landfill (194688) /194688
Submittal Date:	04/28/2021

Ms. Renee Pewitt
BLDI, Inc.
150 Fountain Street NE
Grand Rapids, MI 49503

Dear Ms. Pewitt,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 7 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

Cheri Hanson

By Cheri Hanson at 1:34 PM, May 04, 2021

For Daryl P. Strandbergh
Laboratory Director

Enclosures

1914 Holloway Drive *Holt, MI 48842* *T: (517) 699-0345* *F: (517) 699-0388*
11766 E Grand River *Brighton, MI 48116* *T: (810) 220-3300* *F: (810) 220-3311*
8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*

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Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-8 (4.5-5)**	Chain of Custody:	**185082**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**08:10**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01508-001** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW-8 (4.5-5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**3**		%	1	1.0	04/29/21	MC210429	04/30/21	MC210429	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-8 (4.5-5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
‡ 2. Acrylonitrile	U		µg/kg	110	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
3. Benzene	U		µg/kg	50	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
4. Bromobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
5. Bromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
6. Bromodichloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
7. Bromoform	U		µg/kg	100	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
8. Bromomethane	U		µg/kg	200	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
9. 2-Butanone	U		µg/kg	750	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
10. n-Butylbenzene	U		µg/kg	55	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
13. Carbon Disulfide	U		µg/kg	250	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
14. Carbon Tetrachloride	U		µg/kg	55	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
15. Chlorobenzene	U		µg/kg	50	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
16. Chloroethane	U		µg/kg	250	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
17. Chloroform	U		µg/kg	55	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
18. Chloromethane	U		µg/kg	250	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
21. Dibromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
22. Dibromomethane	U		µg/kg	250	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
28. 1,2-Dichloroethane	U		µg/kg	55	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-8 (4.5-5)**	Chain of Custody:	**185082**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**08:10**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-8 (4.5-5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
32. 1,2-Dichloropropane	U		µg/kg	55	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
33. cis-1,3-Dichloropropene	U		µg/kg	55	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
35. Ethylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
37. 2-Hexanone	U		µg/kg	2500	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
38. Isopropylbenzene	U		µg/kg	250	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
40. Methylene Chloride	U		µg/kg	100	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
42. MTBE	U		µg/kg	250	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
43. Naphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
44. n-Propylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
45. Styrene	U		µg/kg	50	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	55	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
48. Tetrachloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
49. Toluene	U		µg/kg	50	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
52. 1,1,2-Trichloroethane	U		µg/kg	55	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
53. Trichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
59. Vinyl Chloride	U		µg/kg	40	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
60. m&p-Xylene	U		µg/kg	100	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
61. o-Xylene	U		µg/kg	50	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS
‡ 62. Xylenes	U		µg/kg	150	1.0	04/30/21	VP21D30A	04/30/21	VP21D30A	WCS

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-8 (14.5-15)**	Chain of Custody:	**185082**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**08:17**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01508-002** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW-8 (14.5-15)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**2**		%	1	1.0	04/29/21	MC210429	04/30/21	MC210429	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-8 (14.5-15)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/03/21	VP21E03A	05/03/21	VP21E03A	JMF
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
3. Benzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
4. Bromobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
7. Bromoform	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
8. Bromomethane	U		µg/kg	200	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
9. 2-Butanone	U		µg/kg	750	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
10. n-Butylbenzene	U		µg/kg	51	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
14. Carbon Tetrachloride	U		µg/kg	51	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
16. Chloroethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
17. Chloroform	U		µg/kg	51	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
18. Chloromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
22. Dibromomethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
28. 1,2-Dichloroethane	U		µg/kg	51	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-8 (14.5-15)**	Chain of Custody:	**185082**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**08:17**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-8 (14.5-15)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
32. 1,2-Dichloropropane	U		µg/kg	51	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	51	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
42. MTBE	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
43. Naphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
45. Styrene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	51	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
49. Toluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	51	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
53. Trichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
61. o-Xylene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-8 (24.5-25)**	Chain of Custody:	**185082**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**08:29**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01508-003** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW-8 (24.5-25)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**2**		%	1	1.0	04/29/21	MC210429	04/30/21	MC210429	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-8 (24.5-25)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/03/21	VP21E03A	05/03/21	VP21E03A	JMF
‡ 2. Acrylonitrile	U		µg/kg	110	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
3. Benzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
4. Bromobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
7. Bromoform	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
8. Bromomethane	U		µg/kg	200	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
9. 2-Butanone	U		µg/kg	750	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
10. n-Butylbenzene	U		µg/kg	53	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
14. Carbon Tetrachloride	U		µg/kg	53	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
16. Chloroethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
17. Chloroform	U		µg/kg	53	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
18. Chloromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
22. Dibromomethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
28. 1,2-Dichloroethane	U		µg/kg	53	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-8 (24.5-25)**	Chain of Custody:	**185082**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**08:29**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-8 (24.5-25)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
32. 1,2-Dichloropropane	U		µg/kg	53	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	53	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
42. MTBE	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
43. Naphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
45. Styrene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	53	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
49. Toluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	53	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
53. Trichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
61. o-Xylene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-8 (34.5-35)**	Chain of Custody:	**185082**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**08:38**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01508-004** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW-8 (34.5-35)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**3**		%	1	1.0	04/29/21	MC210429	04/30/21	MC210429	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-004A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-8 (34.5-35)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/03/21	VP21E03A	05/03/21	VP21E03A	JMF
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
3. Benzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
4. Bromobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
7. Bromoform	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
8. Bromomethane	U		µg/kg	200	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
9. 2-Butanone	U		µg/kg	750	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
10. n-Butylbenzene	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
14. Carbon Tetrachloride	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
16. Chloroethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
17. Chloroform	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
18. Chloromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
22. Dibromomethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
28. 1,2-Dichloroethane	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-8 (34.5-35)**	Chain of Custody:	**185082**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**08:38**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-004A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-8 (34.5-35)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
32. 1,2-Dichloropropane	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
42. MTBE	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
43. Naphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
45. Styrene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
49. Toluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
53. Trichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
61. o-Xylene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-8 (44.5-45)**	Chain of Custody:	**185082**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**08:54**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01508-005** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW-8 (44.5-45)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**2**		%	1	1.0	04/29/21	MC210429	04/30/21	MC210429	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-005A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-8 (44.5-45)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/03/21	VP21E03A	05/03/21	VP21E03A	JMF
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
3. Benzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
4. Bromobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
7. Bromoform	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
8. Bromomethane	U		µg/kg	200	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
9. 2-Butanone	U		µg/kg	750	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
10. n-Butylbenzene	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
14. Carbon Tetrachloride	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
16. Chloroethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
17. Chloroform	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
18. Chloromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
22. Dibromomethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
28. 1,2-Dichloroethane	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-8 (44.5-45)**	Chain of Custody:	**185082**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**08:54**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-005A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-8 (44.5-45)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
32. 1,2-Dichloropropane	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
42. MTBE	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
43. Naphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
45. Styrene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
49. Toluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
53. Trichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
61. o-Xylene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-8 (54.5-55)**	Chain of Custody:	**185082**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:11**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01508-006** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW-8 (54.5-55)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**2**		%	1	1.0	04/29/21	MC210429	04/30/21	MC210429	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-006A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-8 (54.5-55)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/03/21	VP21E03A	05/03/21	VP21E03A	JMF
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
3. Benzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
4. Bromobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
7. Bromoform	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
8. Bromomethane	U		µg/kg	200	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
9. 2-Butanone	U		µg/kg	750	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
10. n-Butylbenzene	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
14. Carbon Tetrachloride	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
16. Chloroethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
17. Chloroform	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
18. Chloromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
22. Dibromomethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
28. 1,2-Dichloroethane	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-8 (54.5-55)**	Chain of Custody:	**185082**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:11**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-006A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-8 (54.5-55)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
32. 1,2-Dichloropropane	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
42. MTBE	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
43. Naphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
45. Styrene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
49. Toluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
53. Trichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
61. o-Xylene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-11 (4.5-5)**	Chain of Custody:	**185082**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:20**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01508-009** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW-11 (4.5-5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**4**		%	1	1.0	04/29/21	MC210429	04/30/21	MC210429	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-009A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-11 (4.5-5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 2. Acrylonitrile	U		µg/kg	110	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
3. Benzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
4. Bromobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
7. Bromoform	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
8. Bromomethane	U		µg/kg	200	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
9. 2-Butanone	U	*	µg/kg	750	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
10. n-Butylbenzene	U		µg/kg	53	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
14. Carbon Tetrachloride	U		µg/kg	53	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
16. Chloroethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
17. Chloroform	U		µg/kg	53	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
18. Chloromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
22. Dibromomethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
28. 1,2-Dichloroethane	U		µg/kg	53	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-11 (4.5-5)**	Chain of Custody:	**185082**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:20**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-009A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-11 (4.5-5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
32. 1,2-Dichloropropane	U		µg/kg	53	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	53	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
42. MTBE	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
43. Naphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
45. Styrene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	53	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
49. Toluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	53	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
53. Trichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
61. o-Xylene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-11 (14.5-15)**	Chain of Custody:	**185082**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:27**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01508-010** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW-11 (14.5-15)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**7**		%	1	1.0	04/29/21	MC210429	04/30/21	MC210429	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-010A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-11 (14.5-15)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/03/21	VP21E03A	05/03/21	VP21E03A	JMF
‡ 2. Acrylonitrile	U		µg/kg	110	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
3. Benzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
4. Bromobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
7. Bromoform	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
8. Bromomethane	U		µg/kg	200	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
9. 2-Butanone	U		µg/kg	750	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
10. n-Butylbenzene	U		µg/kg	56	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
14. Carbon Tetrachloride	U		µg/kg	56	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
16. Chloroethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
17. Chloroform	U		µg/kg	56	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
18. Chloromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
22. Dibromomethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
28. 1,2-Dichloroethane	U		µg/kg	56	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-11 (14.5-15)**	Chain of Custody:	**185082**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:27**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-010A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-11 (14.5-15)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
32. 1,2-Dichloropropane	U		µg/kg	56	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	56	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
42. MTBE	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
43. Naphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
45. Styrene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	56	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
49. Toluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	56	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
53. Trichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
61. o-Xylene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-11 (24.5-25)**	Chain of Custody:	**188982**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:35**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01508-011** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW-11 (24.5-25)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**2**		%	1	1.0	04/29/21	MC210429	04/30/21	MC210429	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-011A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-11 (24.5-25)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/03/21	VP21E03A	05/03/21	VP21E03A	JMF
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
3. Benzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
4. Bromobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
7. Bromoform	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
8. Bromomethane	U		µg/kg	200	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
9. 2-Butanone	U		µg/kg	750	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
10. n-Butylbenzene	U		µg/kg	51	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
14. Carbon Tetrachloride	U		µg/kg	51	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
16. Chloroethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
17. Chloroform	U		µg/kg	51	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
18. Chloromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
22. Dibromomethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
28. 1,2-Dichloroethane	U		µg/kg	51	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-11 (24.5-25)**	Chain of Custody:	**188982**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:35**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-011A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-11 (24.5-25)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
32. 1,2-Dichloropropane	U		µg/kg	51	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	51	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
42. MTBE	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
43. Naphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
45. Styrene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	51	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
49. Toluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	51	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
53. Trichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
61. o-Xylene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-11 (34.5-35)**	Chain of Custody:	**188982**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:47**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01508-012** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW-11 (34.5-35)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**4**		%	1	1.0	04/29/21	MC210429	04/30/21	MC210429	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-012A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-11 (34.5-35)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/03/21	VP21E03A	05/03/21	VP21E03A	JMF
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
3. Benzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
4. Bromobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
7. Bromoform	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
8. Bromomethane	U		µg/kg	200	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
9. 2-Butanone	U		µg/kg	750	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
10. n-Butylbenzene	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
14. Carbon Tetrachloride	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
16. Chloroethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
17. Chloroform	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
18. Chloromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
22. Dibromomethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
28. 1,2-Dichloroethane	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-11 (34.5-35)**	Chain of Custody:	**188982**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:47**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-012A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-11 (34.5-35)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
32. 1,2-Dichloropropane	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
42. MTBE	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
43. Naphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
45. Styrene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
49. Toluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
53. Trichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
61. o-Xylene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-11 (43-43.5)**	Chain of Custody:	**188982**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:01**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01508-013** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW-11 (43-43.5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**5**		%	1	1.0	04/29/21	MC210429	04/30/21	MC210429	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-013A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-11 (43-43.5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/03/21	VP21E03A	05/03/21	VP21E03A	JMF
‡ 2. Acrylonitrile	U		µg/kg	110	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
3. Benzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
4. Bromobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
7. Bromoform	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
8. Bromomethane	U		µg/kg	200	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
9. 2-Butanone	U		µg/kg	750	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
10. n-Butylbenzene	U		µg/kg	55	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
14. Carbon Tetrachloride	U		µg/kg	55	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
16. Chloroethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
17. Chloroform	U		µg/kg	55	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
18. Chloromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
22. Dibromomethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
28. 1,2-Dichloroethane	U		µg/kg	55	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-11 (43-43.5)**	Chain of Custody:	**188982**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:01**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-013A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-11 (43-43.5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
32. 1,2-Dichloropropane	U		µg/kg	55	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	55	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
42. MTBE	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
43. Naphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
45. Styrene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	55	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
49. Toluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	55	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
53. Trichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
61. o-Xylene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-11 (48-48.5)**	Chain of Custody:	**188982**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:10**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01508-014** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW-11 (48-48.5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**7**		%	1	1.0	04/29/21	MC210429	04/30/21	MC210429	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-014A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-11 (48-48.5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/03/21	VP21E03A	05/03/21	VP21E03A	JMF
‡ 2. Acrylonitrile	U		µg/kg	110	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
3. Benzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
4. Bromobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
7. Bromoform	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
8. Bromomethane	U		µg/kg	200	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
9. 2-Butanone	U		µg/kg	750	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
10. n-Butylbenzene	U		µg/kg	56	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
14. Carbon Tetrachloride	U		µg/kg	56	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
16. Chloroethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
17. Chloroform	U		µg/kg	56	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
18. Chloromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
22. Dibromomethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
28. 1,2-Dichloroethane	U		µg/kg	56	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-11 (48-48.5)**	Chain of Custody:	**188982**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:10**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-014A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-11 (48-48.5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
32. 1,2-Dichloropropane	U		µg/kg	56	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	56	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
42. MTBE	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
43. Naphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
45. Styrene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	56	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
49. Toluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	56	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
53. Trichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
61. o-Xylene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-11 (54.5-55)**	Chain of Custody:	**188982**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:20**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01508-015** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW-11 (54.5-55)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	U		%	1	1.0	04/29/21	MC210429	04/30/21	MC210429	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-015A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-11 (54.5-55)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/03/21	VP21E03A	05/03/21	VP21E03A	JMF
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
3. Benzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
4. Bromobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
7. Bromoform	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
8. Bromomethane	U		µg/kg	200	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
9. 2-Butanone	U		µg/kg	750	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
10. n-Butylbenzene	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
14. Carbon Tetrachloride	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
16. Chloroethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
17. Chloroform	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
18. Chloromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
22. Dibromomethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
28. 1,2-Dichloroethane	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-11 (54.5-55)**	Chain of Custody:	**188982**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:20**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-015A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-11 (54.5-55)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
32. 1,2-Dichloropropane	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
42. MTBE	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
43. Naphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
45. Styrene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
49. Toluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	52	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
53. Trichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
61. o-Xylene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-11 (64.5-65)**	Chain of Custody:	**188982**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:36**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01508-016** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW-11 (64.5-65)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**2**		%	1	1.0	04/29/21	MC210429	04/30/21	MC210429	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-016A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-11 (64.5-65)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/03/21	VP21E03A	05/03/21	VP21E03A	JMF
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
3. Benzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
4. Bromobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
7. Bromoform	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
8. Bromomethane	U		µg/kg	200	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
9. 2-Butanone	U		µg/kg	750	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
10. n-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
16. Chloroethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
17. Chloroform	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
18. Chloromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
22. Dibromomethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-11 (64.5-65)**	Chain of Custody:	**188982**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:36**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-016A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-11 (64.5-65)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
42. MTBE	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
43. Naphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
45. Styrene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
49. Toluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
53. Trichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
61. o-Xylene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-11 (79.5-80)**	Chain of Custody:	**188982**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01508-018** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW-11 (79.5-80)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**14**		%	1	1.0	04/29/21	MC210429	04/30/21	MC210429	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-018B** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-11 (79.5-80)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/03/21	VP21E03A	05/03/21	VP21E03A	JMF
‡ 2. Acrylonitrile	U		µg/kg	130	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
3. Benzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
4. Bromobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
7. Bromoform	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
8. Bromomethane	U		µg/kg	200	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
9. 2-Butanone	U		µg/kg	750	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
10. n-Butylbenzene	U		µg/kg	64	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
14. Carbon Tetrachloride	U		µg/kg	64	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
16. Chloroethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
17. Chloroform	U		µg/kg	64	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
18. Chloromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
22. Dibromomethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
28. 1,2-Dichloroethane	U		µg/kg	64	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-11 (79.5-80)**	Chain of Custody:	**188982**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**04/27/21**
Client Project No:	**194688**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01508-018B** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW-11 (79.5-80)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
32. 1,2-Dichloropropane	U		µg/kg	64	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	64	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
42. MTBE	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
43. Naphthalene	U		µg/kg	330	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
45. Styrene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	64	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
49. Toluene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	64	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
53. Trichloroethene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
61. o-Xylene	U		µg/kg	50	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	04/30/21	VP21D30B	05/01/21	VP21D30B	JMF

Definitions/ Qualifiers:

A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
M: Modified Method
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
***:** Value reported is outside QC limits

Exception Summary:

* : Duplicate analysis not within control limits.

Analysis Locations:

All analyses performed in Holt.

NELAP ACCREDITED TNI LABORATORY

Accreditation Number(s):

T104704518-19-8 (TX)

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
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Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertecihs.com

Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 185082
PAGE 1 of 2

Client Name: BLDI, Inc
Contact Person: Renée Rewitt
Project Name/ Number: 194688.20, Lacey Landfill
Email distribution list: rrewitt@bldi.com, mmiller@bldi.com, rachelk@bldi.com
Quote#
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PARAMETERS: VOCs	HOLD SAMPLE	Remarks
4/27/21	8:10		MW-8 (4.5-5)	S	2	X		
	8:17		MW-8 (14.5-15)					
	8:29		MW-8 (24.5-25)					
	8:38		MW-8 (34.5-35)					
	8:54		MW-8 (44.5-45)					
	9:11		MW-8 (54.5-55)					
	9:31		MW-8 (64.5-65)				X	Hold
	9:43		MW-8 (69.5-70)				X	Hold
	13:20		MW-11 (4.5-5)					
	13:27		MW-11 (14.5-15)					

Matrix Code: S Soil; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Deliverables: Level 2; Level 3; Level 4; EDD

Received By Lab
APR 28 2021
Initials: SS

Comments:

Sampled/Relinquished By:	Date/ Time 4/27/21	Received By: 4-28-21 @ 1237
Relinquished By:	Date/ Time 4-28-21 1425	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days X 4 bus. days

_____5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: A01508

Temperature upon receipt at Lab: 4.0 °C

Received On Ice

Please see back for terms and conditions

*KML

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
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Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 188982
PAGE 2 of 2

Client Name: BLDI
Contact Person: Renée Dewitt
Project Name/ Number: 196688.20, Lowell Landfill
Email distribution list: rdewitt@bldi.com, annikawe@bldi.com, rachelh@bldi.com
Quote#
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	VOCs	HOLD SAMPLE
4/27/21	13:35		MW-11 (24.5-25)	S	2	X	
	13:47		MW-11 (34.5-35)				
	14:01		MW-11 (43-43.5)				
	14:10		MW-11 (48-48.5)				
	14:20		MW-11 (54.5-55)				
	14:36		MW-11 (64.5-65)				
	14:48		MW-11 (69.5-70)				X Hold
↓	15:50		MW-11 (79.5-80)	↓	↓	↓	

PARAMETERS

Matrix Code: S Soil; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Deliverables: Level 2; Level 3; Level 4; EDD

Remarks:

Received By Lab
APR 28 2021
Initials: SS

Comments:

Sampled/Relinquished By:	Date/ Time 4/27/21	Received By: 4-28-21 @1237
Relinquished By:	Date/ Time 4-28-21 1425	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days X 4 bus. days

_____5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: A01508

Temperature upon receipt at Lab: 4.0 °C

Received On Ice

Please see back for terms and conditions

Fibertec
environmental
services

Wednesday, May 05, 2021

Fibertec Project Number:	A01539
Project Identification:	Lowel Landfill (194688.20) / 194688.20
Submittal Date:	04/29/2021

Ms. Renee Pewitt
BLDI, Inc.
150 Fountain Street NE
Grand Rapids, MI 49503

Dear Ms. Pewitt,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 7 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

By Sharon Rakow at 4:34 PM, May 05, 2021

For Daryl P. Strandbergh
Laboratory Director

Enclosures

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 12 (3-3.5)**	Chain of Custody:	**189006**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:08**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01539-001** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW- 12 (3-3.5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**18**		%	1	1.0	04/30/21	MC210430	05/03/21	MC210430	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 12 (3-3.5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
‡ 2. Acrylonitrile	U		µg/kg	140	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
3. Benzene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
4. Bromobenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
5. Bromochloromethane	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
6. Bromodichloromethane	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
7. Bromoform	U		µg/kg	140	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
8. Bromomethane	U		µg/kg	200	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
9. 2-Butanone	U		µg/kg	750	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
10. n-Butylbenzene	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
11. sec-Butylbenzene	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
12. tert-Butylbenzene	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
13. Carbon Disulfide	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
15. Chlorobenzene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
16. Chloroethane	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
17. Chloroform	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
18. Chloromethane	U		µg/kg	360	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
21. Dibromochloromethane	U		µg/kg	140	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
22. Dibromomethane	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
26. Dichlorodifluoromethane	U		µg/kg	360	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
27. 1,1-Dichloroethane	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
28. 1,2-Dichloroethane	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 12 (3-3.5)**	Chain of Custody:	**189006**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:08**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 12 (3-3.5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
32. 1,2-Dichloropropane	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
33. cis-1,3-Dichloropropene	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
34. trans-1,3-Dichloropropene	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
35. Ethylbenzene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
37. 2-Hexanone	U		µg/kg	2500	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
38. Isopropylbenzene	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
40. Methylene Chloride	U		µg/kg	140	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
42. MTBE	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
43. Naphthalene	U		µg/kg	330	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
44. n-Propylbenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
45. Styrene	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
48. Tetrachloroethene	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
49. Toluene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
51. 1,1,1-Trichloroethane	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
53. Trichloroethene	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
55. 1,2,3-Trichloropropane	U		µg/kg	140	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
59. Vinyl Chloride	U		µg/kg	40	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
60. m&p-Xylene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
61. o-Xylene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
‡ 62. Xylenes	U		µg/kg	150	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 12 (4.5-5)**	Chain of Custody:	**189006**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:05**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01539-002** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW- 12 (4.5-5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**22**		%	1	1.0	04/30/21	MC210430	05/03/21	MC210430	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 12 (4.5-5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
‡ 2. Acrylonitrile	U		µg/kg	150	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
3. Benzene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
4. Bromobenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
5. Bromochloromethane	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
6. Bromodichloromethane	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
7. Bromoform	U		µg/kg	150	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
8. Bromomethane	U		µg/kg	200	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
9. 2-Butanone	U		µg/kg	750	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
10. n-Butylbenzene	U		µg/kg	75	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
11. sec-Butylbenzene	U		µg/kg	75	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
12. tert-Butylbenzene	U		µg/kg	75	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
13. Carbon Disulfide	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
15. Chlorobenzene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
16. Chloroethane	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
17. Chloroform	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
18. Chloromethane	U		µg/kg	380	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
21. Dibromochloromethane	U		µg/kg	150	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
22. Dibromomethane	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
26. Dichlorodifluoromethane	U		µg/kg	380	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
27. 1,1-Dichloroethane	U		µg/kg	75	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
28. 1,2-Dichloroethane	U		µg/kg	75	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 12 (4.5-5)**	Chain of Custody:	**189006**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:05**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 12 (4.5-5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
32. 1,2-Dichloropropane	U		µg/kg	75	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
33. cis-1,3-Dichloropropene	U		µg/kg	75	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
34. trans-1,3-Dichloropropene	U		µg/kg	75	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
35. Ethylbenzene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
37. 2-Hexanone	U		µg/kg	2500	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
38. Isopropylbenzene	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
40. Methylene Chloride	U		µg/kg	150	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
42. MTBE	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
43. Naphthalene	U		µg/kg	330	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
44. n-Propylbenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
45. Styrene	U		µg/kg	75	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	75	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
48. Tetrachloroethene	U		µg/kg	75	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
49. Toluene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
51. 1,1,1-Trichloroethane	U		µg/kg	75	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
53. Trichloroethene	U		µg/kg	75	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
55. 1,2,3-Trichloropropane	U		µg/kg	150	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
59. Vinyl Chloride	U		µg/kg	40	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
60. m&p-Xylene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
61. o-Xylene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
‡ 62. Xylenes	U		µg/kg	150	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 12 (14.5-15)**	Chain of Custody:	**189006**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01539-003** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW- 12 (14.5-15)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**7**		%	1	1.0	04/30/21	MC210430	05/03/21	MC210430	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 12 (14.5-15)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
‡ 2. Acrylonitrile	U		µg/kg	110	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
3. Benzene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
4. Bromobenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
5. Bromochloromethane	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
6. Bromodichloromethane	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
7. Bromoform	U		µg/kg	110	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
8. Bromomethane	U		µg/kg	200	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
9. 2-Butanone	U		µg/kg	750	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
10. n-Butylbenzene	U		µg/kg	57	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
11. sec-Butylbenzene	U		µg/kg	57	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
12. tert-Butylbenzene	U		µg/kg	57	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
13. Carbon Disulfide	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
15. Chlorobenzene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
16. Chloroethane	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
17. Chloroform	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
18. Chloromethane	U		µg/kg	290	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
21. Dibromochloromethane	U		µg/kg	110	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
22. Dibromomethane	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
26. Dichlorodifluoromethane	U		µg/kg	290	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
27. 1,1-Dichloroethane	U		µg/kg	57	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
28. 1,2-Dichloroethane	U		µg/kg	57	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 12 (14.5-15)**	Chain of Custody:	**189006**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 12 (14.5-15)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
32. 1,2-Dichloropropane	U		µg/kg	57	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
33. cis-1,3-Dichloropropene	U		µg/kg	57	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
34. trans-1,3-Dichloropropene	U		µg/kg	57	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
35. Ethylbenzene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
37. 2-Hexanone	U		µg/kg	2500	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
38. Isopropylbenzene	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
40. Methylene Chloride	U		µg/kg	110	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
42. MTBE	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
43. Naphthalene	U		µg/kg	330	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
44. n-Propylbenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
45. Styrene	U		µg/kg	57	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	57	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
48. Tetrachloroethene	U		µg/kg	57	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
49. Toluene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
51. 1,1,1-Trichloroethane	U		µg/kg	57	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
53. Trichloroethene	U		µg/kg	57	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
55. 1,2,3-Trichloropropane	U		µg/kg	110	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
59. Vinyl Chloride	U		µg/kg	40	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
60. m&p-Xylene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
61. o-Xylene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
‡ 62. Xylenes	U		µg/kg	150	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 12 (23.5-24)**	Chain of Custody:	**189006**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:59**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01539-004** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW- 12 (23.5-24)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**17**		%	1	1.0	04/30/21	MC210430	05/03/21	MC210430	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-004A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 12 (23.5-24)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
‡ 2. Acrylonitrile	U		µg/kg	140	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
3. Benzene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
4. Bromobenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
5. Bromochloromethane	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
6. Bromodichloromethane	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
7. Bromoform	U		µg/kg	140	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
8. Bromomethane	U		µg/kg	200	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
9. 2-Butanone	U		µg/kg	750	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
10. n-Butylbenzene	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
11. sec-Butylbenzene	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
12. tert-Butylbenzene	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
13. Carbon Disulfide	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
15. Chlorobenzene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
16. Chloroethane	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
17. Chloroform	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
18. Chloromethane	U		µg/kg	360	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
21. Dibromochloromethane	U		µg/kg	140	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
22. Dibromomethane	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
26. Dichlorodifluoromethane	U		µg/kg	360	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
27. 1,1-Dichloroethane	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
28. 1,2-Dichloroethane	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 12 (23.5-24)**	Chain of Custody:	**189006**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:59**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-004A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 12 (23.5-24)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
32. 1,2-Dichloropropane	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
33. cis-1,3-Dichloropropene	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
34. trans-1,3-Dichloropropene	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
35. Ethylbenzene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
37. 2-Hexanone	U		µg/kg	2500	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
38. Isopropylbenzene	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
40. Methylene Chloride	U		µg/kg	140	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
42. MTBE	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
43. Naphthalene	U		µg/kg	330	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
44. n-Propylbenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
45. Styrene	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
48. Tetrachloroethene	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
49. Toluene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
51. 1,1,1-Trichloroethane	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
53. Trichloroethene	U		µg/kg	72	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
55. 1,2,3-Trichloropropane	U		µg/kg	140	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
59. Vinyl Chloride	U		µg/kg	40	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
60. m&p-Xylene	U		µg/kg	100	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
61. o-Xylene	U		µg/kg	50	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM
‡ 62. Xylenes	U		µg/kg	150	1.0	04/30/21	VJ21D30B	05/01/21	VJ21D30B	JLM

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 10 (4.5-5)**	Chain of Custody:	**189006**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01539-007** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW- 10 (4.5-5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**10**		%	1	1.0	04/30/21	MC210430	05/03/21	MC210430	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-007A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 10 (4.5-5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 2. Acrylonitrile	U		µg/kg	120	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
3. Benzene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
4. Bromobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
7. Bromoform	U		µg/kg	120	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
8. Bromomethane	U		µg/kg	200	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
9. 2-Butanone	U	V+	µg/kg	750	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
10. n-Butylbenzene	U		µg/kg	60	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
11. sec-Butylbenzene	U		µg/kg	60	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
12. tert-Butylbenzene	U		µg/kg	60	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
14. Carbon Tetrachloride	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
16. Chloroethane	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
17. Chloroform	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
18. Chloromethane	U		µg/kg	300	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
21. Dibromochloromethane	U		µg/kg	120	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
22. Dibromomethane	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
26. Dichlorodifluoromethane	U		µg/kg	300	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
27. 1,1-Dichloroethane	U		µg/kg	60	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
28. 1,2-Dichloroethane	U		µg/kg	60	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 10 (4.5-5)**	Chain of Custody:	**189006**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-007A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 10 (4.5-5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
32. 1,2-Dichloropropane	U		µg/kg	60	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	60	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	60	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
37. 2-Hexanone	U	V+	µg/kg	2500	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
40. Methylene Chloride	U		µg/kg	120	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
42. MTBE	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
43. Naphthalene	U		µg/kg	330	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
45. Styrene	U		µg/kg	60	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	60	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
48. Tetrachloroethene	U		µg/kg	60	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
49. Toluene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	60	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
53. Trichloroethene	U		µg/kg	60	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	120	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
61. o-Xylene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 10 (14.5-15)**	Chain of Custody:	**189006**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01539-008** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW- 10 (14.5-15)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**5**		%	1	1.0	04/30/21	MC210430	05/03/21	MC210430	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-008A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 10 (14.5-15)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 2. Acrylonitrile	U		µg/kg	110	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
3. Benzene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
4. Bromobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
7. Bromoform	U		µg/kg	110	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
8. Bromomethane	U		µg/kg	200	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
9. 2-Butanone	U	V+	µg/kg	750	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
10. n-Butylbenzene	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
11. sec-Butylbenzene	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
12. tert-Butylbenzene	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
14. Carbon Tetrachloride	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
16. Chloroethane	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
17. Chloroform	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
18. Chloromethane	U		µg/kg	270	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
21. Dibromochloromethane	U		µg/kg	110	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
22. Dibromomethane	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
26. Dichlorodifluoromethane	U		µg/kg	270	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
27. 1,1-Dichloroethane	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
28. 1,2-Dichloroethane	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 10 (14.5-15)**	Chain of Custody:	**189006**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-008A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 10 (14.5-15)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
32. 1,2-Dichloropropane	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
37. 2-Hexanone	U	V+	µg/kg	2500	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
40. Methylene Chloride	U		µg/kg	110	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
42. MTBE	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
43. Naphthalene	U		µg/kg	330	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
45. Styrene	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
48. Tetrachloroethene	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
49. Toluene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
53. Trichloroethene	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	110	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
61. o-Xylene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 10 (24.5-25)**	Chain of Custody:	**189006**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:08**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01539-009** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW- 10 (24.5-25)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**2**		%	1	1.0	04/30/21	MC210430	05/03/21	MC210430	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-009A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 10 (24.5-25)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
3. Benzene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
4. Bromobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
7. Bromoform	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
8. Bromomethane	U		µg/kg	200	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
9. 2-Butanone	U	V+	µg/kg	750	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
10. n-Butylbenzene	U		µg/kg	51	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
11. sec-Butylbenzene	U		µg/kg	51	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
12. tert-Butylbenzene	U		µg/kg	51	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
14. Carbon Tetrachloride	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
16. Chloroethane	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
17. Chloroform	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
18. Chloromethane	U		µg/kg	260	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
22. Dibromomethane	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
26. Dichlorodifluoromethane	U		µg/kg	260	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
27. 1,1-Dichloroethane	U		µg/kg	51	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
28. 1,2-Dichloroethane	U		µg/kg	51	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 10 (24.5-25)**	Chain of Custody:	**189006**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:08**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-009A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 10 (24.5-25)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
32. 1,2-Dichloropropane	U		µg/kg	51	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	51	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	51	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
37. 2-Hexanone	U	V+	µg/kg	2500	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
42. MTBE	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
43. Naphthalene	U		µg/kg	330	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
45. Styrene	U		µg/kg	51	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	51	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
48. Tetrachloroethene	U		µg/kg	51	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
49. Toluene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	51	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
53. Trichloroethene	U		µg/kg	51	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
61. o-Xylene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 10 (34.5-35)**	Chain of Custody:	**189006**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:18**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01539-010** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW- 10 (34.5-35)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**3**		%	1	1.0	04/30/21	MC210430	05/03/21	MC210430	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-010A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 10 (34.5-35)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
3. Benzene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
4. Bromobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
7. Bromoform	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
8. Bromomethane	U		µg/kg	200	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
9. 2-Butanone	U	V+	µg/kg	750	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
10. n-Butylbenzene	U		µg/kg	52	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
11. sec-Butylbenzene	U		µg/kg	52	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
12. tert-Butylbenzene	U		µg/kg	52	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
14. Carbon Tetrachloride	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
16. Chloroethane	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
17. Chloroform	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
18. Chloromethane	U		µg/kg	260	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
22. Dibromomethane	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
26. Dichlorodifluoromethane	U		µg/kg	260	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
27. 1,1-Dichloroethane	U		µg/kg	52	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
28. 1,2-Dichloroethane	U		µg/kg	52	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 10 (34.5-35)**	Chain of Custody:	**189006**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:18**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-010A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 10 (34.5-35)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
32. 1,2-Dichloropropane	U		µg/kg	52	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	52	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	52	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
37. 2-Hexanone	U	V+	µg/kg	2500	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
42. MTBE	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
43. Naphthalene	U		µg/kg	330	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
45. Styrene	U		µg/kg	52	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	52	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
48. Tetrachloroethene	U		µg/kg	52	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
49. Toluene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	52	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
53. Trichloroethene	U		µg/kg	52	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
61. o-Xylene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 10 (44.5-45)**	Chain of Custody:	**188986**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:33**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01539-011** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW- 10 (44.5-45)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**2**		%	1	1.0	04/30/21	MC210430	05/03/21	MC210430	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-011A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 10 (44.5-45)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 2. Acrylonitrile	U		µg/kg	110	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
3. Benzene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
4. Bromobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
7. Bromoform	U		µg/kg	110	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
8. Bromomethane	U		µg/kg	200	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
9. 2-Butanone	U	V+	µg/kg	750	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
10. n-Butylbenzene	U		µg/kg	53	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
11. sec-Butylbenzene	U		µg/kg	53	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
12. tert-Butylbenzene	U		µg/kg	53	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
14. Carbon Tetrachloride	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
16. Chloroethane	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
17. Chloroform	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
18. Chloromethane	U		µg/kg	260	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
21. Dibromochloromethane	U		µg/kg	110	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
22. Dibromomethane	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
26. Dichlorodifluoromethane	U		µg/kg	260	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
27. 1,1-Dichloroethane	U		µg/kg	53	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
28. 1,2-Dichloroethane	U		µg/kg	53	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 10 (44.5-45)**	Chain of Custody:	**188986**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:33**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-011A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 10 (44.5-45)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
32. 1,2-Dichloropropane	U		µg/kg	53	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	53	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	53	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
37. 2-Hexanone	U	V+	µg/kg	2500	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
40. Methylene Chloride	U		µg/kg	110	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
42. MTBE	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
43. Naphthalene	U		µg/kg	330	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
45. Styrene	U		µg/kg	53	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	53	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
48. Tetrachloroethene	U		µg/kg	53	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
49. Toluene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	53	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
53. Trichloroethene	U		µg/kg	53	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	110	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
61. o-Xylene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 10 (54.3-55)**	Chain of Custody:	**188986**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:49**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01539-012** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW- 10 (54.3-55)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**3**		%	1	1.0	04/30/21	MC210430	05/03/21	MC210430	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-012A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 10 (54.3-55)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 2. Acrylonitrile	U		µg/kg	110	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
3. Benzene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
4. Bromobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
7. Bromoform	U		µg/kg	110	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
8. Bromomethane	U		µg/kg	200	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
9. 2-Butanone	U	V+	µg/kg	750	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
10. n-Butylbenzene	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
11. sec-Butylbenzene	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
12. tert-Butylbenzene	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
14. Carbon Tetrachloride	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
16. Chloroethane	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
17. Chloroform	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
18. Chloromethane	U		µg/kg	270	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
21. Dibromochloromethane	U		µg/kg	110	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
22. Dibromomethane	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
26. Dichlorodifluoromethane	U		µg/kg	270	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
27. 1,1-Dichloroethane	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
28. 1,2-Dichloroethane	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 10 (54.3-55)**	Chain of Custody:	**188986**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:49**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-012A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 10 (54.3-55)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
32. 1,2-Dichloropropane	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
37. 2-Hexanone	U	V+	µg/kg	2500	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
40. Methylene Chloride	U		µg/kg	110	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
42. MTBE	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
43. Naphthalene	U		µg/kg	330	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
45. Styrene	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
48. Tetrachloroethene	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
49. Toluene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
53. Trichloroethene	U		µg/kg	55	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	110	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
61. o-Xylene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 10 (64.5-65)**	Chain of Custody:	**188986**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**16:11**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A01539-013** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: MW- 10 (64.5-65)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**3**		%	1	1.0	04/30/21	MC210430	05/03/21	MC210430	LET

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-013A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 10 (64.5-65)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 2. Acrylonitrile	U		µg/kg	110	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
3. Benzene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
4. Bromobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
7. Bromoform	U		µg/kg	110	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
8. Bromomethane	U		µg/kg	200	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
9. 2-Butanone	U	V+	µg/kg	750	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
10. n-Butylbenzene	U		µg/kg	54	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
11. sec-Butylbenzene	U		µg/kg	54	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
12. tert-Butylbenzene	U		µg/kg	54	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
14. Carbon Tetrachloride	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
16. Chloroethane	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
17. Chloroform	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
18. Chloromethane	U		µg/kg	270	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
21. Dibromochloromethane	U		µg/kg	110	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
22. Dibromomethane	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
26. Dichlorodifluoromethane	U		µg/kg	270	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
27. 1,1-Dichloroethane	U		µg/kg	54	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
28. 1,2-Dichloroethane	U		µg/kg	54	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW- 10 (64.5-65)**	Chain of Custody:	**188986**
Client Project Name:	**Lowel Landfill (194688.20)**	Sample No:		Collect Date:	**04/28/21**
Client Project No:	**194688.20**	Sample Matrix:	**Soil/Solid**	Collect Time:	**16:11**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A01539-013A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: MW- 10 (64.5-65)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
32. 1,2-Dichloropropane	U		µg/kg	54	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	54	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	54	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
37. 2-Hexanone	U	V+	µg/kg	2500	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
40. Methylene Chloride	U		µg/kg	110	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
42. MTBE	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
43. Naphthalene	U		µg/kg	330	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
45. Styrene	U		µg/kg	54	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	54	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
48. Tetrachloroethene	U		µg/kg	54	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
49. Toluene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	54	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
53. Trichloroethene	U		µg/kg	54	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	110	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
59. Vinyl Chloride	U		µg/kg	40	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
61. o-Xylene	U		µg/kg	50	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	05/03/21	VJ21E03B	05/03/21	VJ21E03B	JMF

Definitions/ Qualifiers:

A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
M: Modified Method
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
***:** Value reported is outside QC limits

Exception Summary:

V+ : Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.

Analysis Locations:

All analyses performed in Holt.

Accreditation Number(s):

T104704518-19-8 (TX)

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertecihs.com

Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 189006
PAGE 1 of 2

Client Name: BLDI
Contact Person: Renée Pewitt
Project Name/ Number: Lowell Landfill | 194688.20
Email distribution list: reneep@bldi.com, rachelk@bldi.com
Quote#
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PARAMETERS: VOCs	HOLD SAMPLE
4/28/21	10:08		MW-12 (3-3.5)	S	2	X	
	10:05		MW-12 (4.5-5)				
	11:40		MW-12 (14.5-15)				
	11:59		MW-12 (23.5-24)				
	12:13		MW-12 (34.5-35)				X HOLD
	12:30		MW-12 (39.5-40)				X HOLD
	1452		MW-10 (4.5-5)				
	1500		MW-10 (14.5-15)				
	1508		MW-10 (24.5-25)				
	1518		MW-10 (34.5-35)				

Matrix Code: S Soil; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Deliverables: Level 2; Level 3; Level 4; EDD

Remarks:

Received By Lab
APR 29 2021
Initials: TM

Comments:

Sampled/Relinquished By: Rachel Kramer TT	Date/ Time 4/28/21 17:49	Received By: 4-29-21 @ 1147
Relinquished By:	Date/ Time 4-29-21 1320	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days X 4 bus. days

_____5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: A01539 Received On Ice

Temperature upon receipt at Lab: 4.1°C

Please see back for terms and conditions

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertecihs.com

Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # **188986**
PAGE 2 of 2

Client Name: BLDI
Contact Person: Renée Pewitt
Project Name/ Number: Lowell landfill / 144688.20
Email distribution list: reneep@bldi.com rachelk@bldi.com
Quote#
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PARAMETERS: VOCs	HOLD SAMPLE
4/28/21	1533		MW-10 (44.5-45)	S	2	X	
"	1549		MW-10 (54.3-55)	"	"	"	
"	1611		MW-10 (64.5-65)	"	"	"	

Matrix Code: S Soil; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Deliverables: Level 2; Level 3; Level 4; EDD

Remarks:

Received By Lab
APR 29 2021
Initials: TB

Comments:

Sampled/Relinquished By: Rachel Kne	Date/ Time 4/28/21 17:49	Received By: 4-29-21 @ 1147
Relinquished By:	Date/ Time 4-29-21 1320	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days X 4 bus. days

_____5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: A01539

Temperature upon receipt at Lab: 4.7 °C

Please see back for terms and conditions

Fibertec
environmental
services

Monday, September 20, 2021

Fibertec Project Number:	A03923 Amended
Project Identification:	Lowell Landfill (194688) /194688
Submittal Date:	09/10/2021

Ms. Annika Whitcomb
BLDI, Inc.
150 Fountain Street NE
Grand Rapids, MI 49503

Dear Ms. Whitcomb,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 7 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

This report was amended to correct a sample descriptor and replaces the report sent 9/17/2021.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

By Jacob Sutherlund at 9:14 AM, Sep 20, 2021

For Daryl P. Strandbergh
Laboratory Director

Enclosures

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-8**	Chain of Custody:	**196207**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**09/09/21**
Client Project No:	**194688**	Sample Matrix:	**Ground Water**	Collect Time:	**13:42**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS **Aliquot ID: A03923-001** **Matrix: Ground Water**
Method: EPA 5030C/EPA 8260D **Description: MW-8**

	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
	1. Acetone	U		µg/L	50	1.0	09/14/21	VI21I14A	09/14/21 17:07	VI21I14A	ANB
‡	2. Acrylonitrile	U		µg/L	2.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	3. Benzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	4. Bromobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	5. Bromochloromethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	6. Bromodichloromethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	7. Bromoform	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	8. Bromomethane	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	9. 2-Butanone	U		µg/L	25	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	10. n-Butylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	11. sec-Butylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	12. tert-Butylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	13. Carbon Disulfide	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	14. Carbon Tetrachloride	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	15. Chlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	16. Chloroethane	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	17. Chloroform	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	18. Chloromethane	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	19. 2-Chlorotoluene	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
‡	20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	21. Dibromochloromethane	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	22. Dibromomethane	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	26. Dichlorodifluoromethane	U	V+	µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	33. cis-1,3-Dichloropropene	U		µg/L	0.50	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	34. trans-1,3-Dichloropropene	U		µg/L	0.50	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	35. Ethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	36. Ethylene Dibromide	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
	37. 2-Hexanone	U		µg/L	50	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-8**	Chain of Custody:	**196207**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**09/09/21**
Client Project No:	**194688**	Sample Matrix:	**Ground Water**	Collect Time:	**13:42**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS **Aliquot ID: A03923-001** **Matrix: Ground Water**
Method: EPA 5030C/EPA 8260D **Description: MW-8**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Isopropylbenzene	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
39. 4-Methyl-2-pentanone	U		µg/L	50	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
40. Methylene Chloride	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
‡ 41. 2-Methylnaphthalene	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 17:07	VI21I14A	ANB
42. MTBE	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
43. Naphthalene	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
44. n-Propylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
45. Styrene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 17:07	VI21I14A	ANB
48. Tetrachloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
49. Toluene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
‡ 52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
53. Trichloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
54. Trichlorofluoromethane	U	V+	µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
59. Vinyl Chloride	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
60. m&p-Xylene	U		µg/L	2.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
61. o-Xylene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM
‡ 62. Xylenes	U		µg/L	3.0	1.0	09/13/21	VM21I13A	09/13/21 19:06	VM21I13A	JLM

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-9**	Chain of Custody:	**196207**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**09/09/21**
Client Project No:	**194688**	Sample Matrix:	**Ground Water**	Collect Time:	**10:26**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS **Aliquot ID: A03923-002** **Matrix: Ground Water**
Method: EPA 5030C/EPA 8260D **Description: MW-9**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
	1. Acetone	U		µg/L	50	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
‡	2. Acrylonitrile	U		µg/L	2.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	3. Benzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	4. Bromobenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	5. Bromochloromethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	6. Bromodichloromethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	7. Bromoform	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	8. Bromomethane	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	9. 2-Butanone	U		µg/L	25	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	10. n-Butylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	11. sec-Butylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	12. tert-Butylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	13. Carbon Disulfide	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	14. Carbon Tetrachloride	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	15. Chlorobenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	16. Chloroethane	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	17. Chloroform	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	18. Chloromethane	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	19. 2-Chlorotoluene	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
‡	20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	21. Dibromochloromethane	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	22. Dibromomethane	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	09/16/21	VB21I16A	09/16/21 16:02	VB21I16A	BRC
	30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	33. cis-1,3-Dichloropropene	U		µg/L	0.50	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	34. trans-1,3-Dichloropropene	U		µg/L	0.50	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	35. Ethylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	36. Ethylene Dibromide	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
	37. 2-Hexanone	U		µg/L	50	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-9**	Chain of Custody:	**196207**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**09/09/21**
Client Project No:	**194688**	Sample Matrix:	**Ground Water**	Collect Time:	**10:26**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS **Aliquot ID: A03923-002** **Matrix: Ground Water**
Method: EPA 5030C/EPA 8260D **Description: MW-9**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Isopropylbenzene	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
39. 4-Methyl-2-pentanone	U		µg/L	50	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
40. Methylene Chloride	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
‡ 41. 2-Methylnaphthalene	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
42. MTBE	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
43. Naphthalene	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
44. n-Propylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
45. Styrene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
48. Tetrachloroethene	**1.3**		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
49. Toluene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
‡ 52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
53. Trichloroethene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
54. Trichlorofluoromethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
‡ 56. 1,2,3-Trimethylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
59. Vinyl Chloride	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
60. m&p-Xylene	U		µg/L	2.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
61. o-Xylene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB
‡ 62. Xylenes	U		µg/L	3.0	1.0	09/14/21	VI21I14A	09/14/21 18:00	VI21I14A	ANB

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-10**	Chain of Custody:	**196207**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**09/09/21**
Client Project No:	**194688**	Sample Matrix:	**Ground Water**	Collect Time:	**11:15**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS **Aliquot ID: A03923-003** **Matrix: Ground Water**
Method: EPA 5030C/EPA 8260D **Description: MW-10**

	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
	1. Acetone	U		µg/L	50	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
‡	2. Acrylonitrile	U		µg/L	2.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	3. Benzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	4. Bromobenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	5. Bromochloromethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	6. Bromodichloromethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	7. Bromoform	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	8. Bromomethane	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	9. 2-Butanone	U		µg/L	25	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	10. n-Butylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	11. sec-Butylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	12. tert-Butylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	13. Carbon Disulfide	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	14. Carbon Tetrachloride	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	15. Chlorobenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	16. Chloroethane	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	17. Chloroform	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	18. Chloromethane	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	19. 2-Chlorotoluene	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
‡	20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	21. Dibromochloromethane	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	22. Dibromomethane	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	09/16/21	VB21I16A	09/16/21 13:20	VB21I16A	BRC
	30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	33. cis-1,3-Dichloropropene	U		µg/L	0.50	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	34. trans-1,3-Dichloropropene	U		µg/L	0.50	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	35. Ethylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	36. Ethylene Dibromide	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
	37. 2-Hexanone	U		µg/L	50	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-10**	Chain of Custody:	**196207**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**09/09/21**
Client Project No:	**194688**	Sample Matrix:	**Ground Water**	Collect Time:	**11:15**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS **Aliquot ID: A03923-003** **Matrix: Ground Water**
Method: EPA 5030C/EPA 8260D **Description: MW-10**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Isopropylbenzene	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
39. 4-Methyl-2-pentanone	U		µg/L	50	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
40. Methylene Chloride	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
‡ 41. 2-Methylnaphthalene	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
42. MTBE	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
43. Naphthalene	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
44. n-Propylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
45. Styrene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
48. Tetrachloroethene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
49. Toluene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
‡ 52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
53. Trichloroethene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
54. Trichlorofluoromethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
‡ 56. 1,2,3-Trimethylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
59. Vinyl Chloride	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
60. m&p-Xylene	U		µg/L	2.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
61. o-Xylene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB
‡ 62. Xylenes	U		µg/L	3.0	1.0	09/14/21	VI21I14A	09/14/21 18:26	VI21I14A	ANB

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-11**	Chain of Custody:	**196207**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**09/09/21**
Client Project No:	**194688**	Sample Matrix:	**Ground Water**	Collect Time:	**14:30**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS **Aliquot ID: A03923-004** **Matrix: Ground Water**
Method: EPA 5030C/EPA 8260D **Description: MW-11**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
	1. Acetone	U		µg/L	50	1.0	09/14/21	VI21I14A	09/14/21 18:52	VI21I14A	ANB
‡	2. Acrylonitrile	U		µg/L	2.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	3. Benzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	4. Bromobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	5. Bromochloromethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	6. Bromodichloromethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	7. Bromoform	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	8. Bromomethane	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	9. 2-Butanone	U		µg/L	25	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	10. n-Butylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	11. sec-Butylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	12. tert-Butylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	13. Carbon Disulfide	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	14. Carbon Tetrachloride	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	15. Chlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	16. Chloroethane	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	17. Chloroform	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	18. Chloromethane	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	19. 2-Chlorotoluene	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
‡	20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	21. Dibromochloromethane	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	22. Dibromomethane	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	26. Dichlorodifluoromethane	U	V+	µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	33. cis-1,3-Dichloropropene	U		µg/L	0.50	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	34. trans-1,3-Dichloropropene	U		µg/L	0.50	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	35. Ethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	36. Ethylene Dibromide	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
	37. 2-Hexanone	U		µg/L	50	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-11**	Chain of Custody:	**196207**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**09/09/21**
Client Project No:	**194688**	Sample Matrix:	**Ground Water**	Collect Time:	**14:30**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS **Aliquot ID: A03923-004** **Matrix: Ground Water**
Method: EPA 5030C/EPA 8260D **Description: MW-11**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
38. Isopropylbenzene	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
39. 4-Methyl-2-pentanone	U		µg/L	50	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
40. Methylene Chloride	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
‡ 41. 2-Methylnaphthalene	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 18:52	VI21I14A	ANB
42. MTBE	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
43. Naphthalene	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
44. n-Propylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
45. Styrene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 18:52	VI21I14A	ANB
48. Tetrachloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
49. Toluene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
‡ 52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
53. Trichloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
54. Trichlorofluoromethane	U	V+	µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
59. Vinyl Chloride	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
60. m&p-Xylene	U		µg/L	2.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
61. o-Xylene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM
‡ 62. Xylenes	U		µg/L	3.0	1.0	09/13/21	VM21I13A	09/13/21 20:25	VM21I13A	JLM

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-12**	Chain of Custody:	**196207**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**09/09/21**
Client Project No:	**194688**	Sample Matrix:	**Ground Water**	Collect Time:	**15:30**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS **Aliquot ID: A03923-005** **Matrix: Ground Water**
Method: EPA 5030C/EPA 8260D **Description: MW-12**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/L	50	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
‡ 2. Acrylonitrile	U		µg/L	2.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
3. Benzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
4. Bromobenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
5. Bromochloromethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
6. Bromodichloromethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
7. Bromoform	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
8. Bromomethane	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
9. 2-Butanone	U		µg/L	25	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
10. n-Butylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
11. sec-Butylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
12. tert-Butylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
13. Carbon Disulfide	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
15. Chlorobenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
16. Chloroethane	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
17. Chloroform	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
18. Chloromethane	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
21. Dibromochloromethane	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
22. Dibromomethane	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	09/16/21	VB21I16A	09/16/21 13:47	VB21I16A	BRC
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
33. cis-1,3-Dichloropropene	U		µg/L	0.50	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
34. trans-1,3-Dichloropropene	U		µg/L	0.50	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
35. Ethylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
36. Ethylene Dibromide	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
37. 2-Hexanone	U		µg/L	50	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-12**	Chain of Custody:	**196207**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**09/09/21**
Client Project No:	**194688**	Sample Matrix:	**Ground Water**	Collect Time:	**15:30**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS **Aliquot ID: A03923-005** **Matrix: Ground Water**
Method: EPA 5030C/EPA 8260D **Description: MW-12**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Isopropylbenzene	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
39. 4-Methyl-2-pentanone	U		µg/L	50	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
40. Methylene Chloride	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
‡ 41. 2-Methylnaphthalene	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
42. MTBE	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
43. Naphthalene	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
44. n-Propylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
45. Styrene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
48. Tetrachloroethene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
49. Toluene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
‡ 52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
53. Trichloroethene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
54. Trichlorofluoromethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
‡ 56. 1,2,3-Trimethylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
59. Vinyl Chloride	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
60. m&p-Xylene	U		µg/L	2.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
61. o-Xylene	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB
‡ 62. Xylenes	U		µg/L	3.0	1.0	09/14/21	VI21I14A	09/14/21 19:19	VI21I14A	ANB

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-12 DUP**	Chain of Custody:	**196207**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**09/09/21**
Client Project No:	**194688**	Sample Matrix:	**Ground Water**	Collect Time:	**15:30**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS **Aliquot ID: A03923-006** **Matrix: Ground Water**
Method: EPA 5030C/EPA 8260D **Description: MW-12 DUP**

	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
	1. Acetone	U		µg/L	50	1.0	09/14/21	VI21I14A	09/14/21 19:45	VI21I14A	ANB
‡	2. Acrylonitrile	U		µg/L	2.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	3. Benzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	4. Bromobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	5. Bromochloromethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	6. Bromodichloromethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	7. Bromoform	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	8. Bromomethane	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	9. 2-Butanone	U		µg/L	25	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	10. n-Butylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	11. sec-Butylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	12. tert-Butylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	13. Carbon Disulfide	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	14. Carbon Tetrachloride	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	15. Chlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	16. Chloroethane	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	17. Chloroform	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	18. Chloromethane	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	19. 2-Chlorotoluene	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
‡	20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	21. Dibromochloromethane	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	22. Dibromomethane	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	26. Dichlorodifluoromethane	U	V+	µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	33. cis-1,3-Dichloropropene	U		µg/L	0.50	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	34. trans-1,3-Dichloropropene	U		µg/L	0.50	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	35. Ethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	36. Ethylene Dibromide	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
	37. 2-Hexanone	U		µg/L	50	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-12 DUP**	Chain of Custody:	**196207**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**09/09/21**
Client Project No:	**194688**	Sample Matrix:	**Ground Water**	Collect Time:	**15:30**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS **Aliquot ID: A03923-006** **Matrix: Ground Water**
Method: EPA 5030C/EPA 8260D **Description: MW-12 DUP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Isopropylbenzene	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
39. 4-Methyl-2-pentanone	U		µg/L	50	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
40. Methylene Chloride	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
‡ 41. 2-Methylnaphthalene	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 19:45	VI21I14A	ANB
42. MTBE	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
43. Naphthalene	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
44. n-Propylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
45. Styrene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 19:45	VI21I14A	ANB
48. Tetrachloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
49. Toluene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
‡ 52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
53. Trichloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
54. Trichlorofluoromethane	U	V+	µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
59. Vinyl Chloride	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
60. m&p-Xylene	U		µg/L	2.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
61. o-Xylene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM
‡ 62. Xylenes	U		µg/L	3.0	1.0	09/13/21	VM21I13A	09/13/21 21:18	VM21I13A	JLM

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-3 DD**	Chain of Custody:	**196207**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**09/09/21**
Client Project No:	**194688**	Sample Matrix:	**Ground Water**	Collect Time:	**13:01**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS **Aliquot ID: A03923-007** **Matrix: Ground Water**
Method: EPA 5030C/EPA 8260D **Description: MW-3 DD**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/L	50	1.0	09/14/21	VI21I14A	09/14/21 20:11	VI21I14A	ANB
‡ 2. Acrylonitrile	U		µg/L	2.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
3. Benzene	**2.4**		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
4. Bromobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
5. Bromochloromethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
6. Bromodichloromethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
7. Bromoform	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
8. Bromomethane	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
9. 2-Butanone	U		µg/L	25	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
10. n-Butylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
11. sec-Butylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
12. tert-Butylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
13. Carbon Disulfide	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
15. Chlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
16. Chloroethane	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
17. Chloroform	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
18. Chloromethane	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
21. Dibromochloromethane	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
22. Dibromomethane	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
26. Dichlorodifluoromethane	U	V+	µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
27. 1,1-Dichloroethane	**1.2**		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
30. cis-1,2-Dichloroethene	**1.7**		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
33. cis-1,3-Dichloropropene	U		µg/L	0.50	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
34. trans-1,3-Dichloropropene	U		µg/L	0.50	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
35. Ethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
36. Ethylene Dibromide	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
37. 2-Hexanone	U		µg/L	50	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM

Client Identification:	**BLDI, Inc.**	Sample Description:	**MW-3 DD**	Chain of Custody:	**196207**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**09/09/21**
Client Project No:	**194688**	Sample Matrix:	**Ground Water**	Collect Time:	**13:01**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS **Aliquot ID: A03923-007** **Matrix: Ground Water**
Method: EPA 5030C/EPA 8260D **Description: MW-3 DD**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
38. Isopropylbenzene	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
39. 4-Methyl-2-pentanone	U		µg/L	50	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
40. Methylene Chloride	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
‡ 41. 2-Methylnaphthalene	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 20:11	VI21I14A	ANB
42. MTBE	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
43. Naphthalene	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
44. n-Propylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
45. Styrene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 20:11	VI21I14A	ANB
48. Tetrachloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
49. Toluene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
‡ 52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
53. Trichloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
54. Trichlorofluoromethane	U	V+	µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
59. Vinyl Chloride	**4.1**		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
60. m&p-Xylene	U		µg/L	2.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
61. o-Xylene	U		µg/L	1.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM
‡ 62. Xylenes	U		µg/L	3.0	1.0	09/13/21	VM21I13A	09/13/21 21:43	VM21I13A	JLM

Client Identification:	**BLDI, Inc.**	Sample Description:	**PUMP BLANK (BEFORE)**	Chain of Custody:	**196207**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**09/09/21**
Client Project No:	**194688**	Sample Matrix:	**Blank: Equipment**	Collect Time:	**09:45**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS **Aliquot ID: A03923-009** **Matrix: Blank: Equipment**
Method: EPA 5030C/EPA 8260D **Description: PUMP BLANK (BEFORE)**

	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
	1. Acetone	U		µg/L	50	1.0	09/14/21	VI21I14A	09/14/21 14:56	VI21I14A	ANB
‡	2. Acrylonitrile	U		µg/L	2.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	3. Benzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	4. Bromobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	5. Bromochloromethane	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	6. Bromodichloromethane	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	7. Bromoform	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	8. Bromomethane	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	9. 2-Butanone	U		µg/L	25	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	10. n-Butylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	11. sec-Butylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	12. tert-Butylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	13. Carbon Disulfide	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	14. Carbon Tetrachloride	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	15. Chlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	16. Chloroethane	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	17. Chloroform	U	V+	µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	18. Chloromethane	U	V+	µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	19. 2-Chlorotoluene	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
‡	20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	21. Dibromochloromethane	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	22. Dibromomethane	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	30. cis-1,2-Dichloroethene	U	V+	µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	33. cis-1,3-Dichloropropene	U		µg/L	0.50	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	34. trans-1,3-Dichloropropene	U		µg/L	0.50	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	35. Ethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	36. Ethylene Dibromide	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
	37. 2-Hexanone	U		µg/L	50	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC

Client Identification:	**BLDI, Inc.**	Sample Description:	**PUMP BLANK (BEFORE)**	Chain of Custody:	**196207**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**09/09/21**
Client Project No:	**194688**	Sample Matrix:	**Blank: Equipment**	Collect Time:	**09:45**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS **Aliquot ID: A03923-009** **Matrix: Blank: Equipment**
Method: EPA 5030C/EPA 8260D **Description: PUMP BLANK (BEFORE)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Isopropylbenzene	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
39. 4-Methyl-2-pentanone	U		µg/L	50	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
40. Methylene Chloride	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
‡ 41. 2-Methylnaphthalene	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 14:56	VI21I14A	ANB
42. MTBE	U	V+	µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
43. Naphthalene	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
44. n-Propylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
45. Styrene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 14:56	VI21I14A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
48. Tetrachloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
49. Toluene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
‡ 52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
53. Trichloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
54. Trichlorofluoromethane	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
‡ 56. 1,2,3-Trimethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
59. Vinyl Chloride	U	V+	µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
60. m&p-Xylene	U		µg/L	2.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
61. o-Xylene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC
‡ 62. Xylenes	U		µg/L	3.0	1.0	09/13/21	VM21I13B	09/14/21 02:33	VM21I13B	BRC

Client Identification:	**BLDI, Inc.**	Sample Description:	**PUMP BLANK (AFTER)**	Chain of Custody:	**196207**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**09/09/21**
Client Project No:	**194688**	Sample Matrix:	**Blank: Equipment**	Collect Time:	**15:50**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS **Aliquot ID: A03923-010** **Matrix: Blank: Equipment**
Method: EPA 5030C/EPA 8260D **Description: PUMP BLANK (AFTER)**

	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
	1. Acetone	U		µg/L	50	1.0	09/14/21	VI21I14A	09/14/21 14:30	VI21I14A	ANB
‡	2. Acrylonitrile	U		µg/L	2.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	3. Benzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	4. Bromobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	5. Bromochloromethane	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	6. Bromodichloromethane	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	7. Bromoform	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	8. Bromomethane	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	9. 2-Butanone	U		µg/L	25	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	10. n-Butylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	11. sec-Butylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	12. tert-Butylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	13. Carbon Disulfide	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	14. Carbon Tetrachloride	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	15. Chlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	16. Chloroethane	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	17. Chloroform	U	V+	µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	18. Chloromethane	U	V+	µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	19. 2-Chlorotoluene	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
‡	20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	21. Dibromochloromethane	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	22. Dibromomethane	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	30. cis-1,2-Dichloroethene	U	V+	µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	33. cis-1,3-Dichloropropene	U		µg/L	0.50	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	34. trans-1,3-Dichloropropene	U		µg/L	0.50	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	35. Ethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	36. Ethylene Dibromide	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
	37. 2-Hexanone	U		µg/L	50	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC

Client Identification:	**BLDI, Inc.**	Sample Description:	**PUMP BLANK (AFTER)**	Chain of Custody:	**196207**
Client Project Name:	**Lowell Landfill (194688)**	Sample No:		Collect Date:	**09/09/21**
Client Project No:	**194688**	Sample Matrix:	**Blank: Equipment**	Collect Time:	**15:50**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS **Aliquot ID: A03923-010** **Matrix: Blank: Equipment**
Method: EPA 5030C/EPA 8260D **Description: PUMP BLANK (AFTER)**

							Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
38. Isopropylbenzene	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
39. 4-Methyl-2-pentanone	U		µg/L	50	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
40. Methylene Chloride	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
‡ 41. 2-Methylnaphthalene	U		µg/L	5.0	1.0	09/14/21	VI21I14A	09/14/21 14:30	VI21I14A	ANB
42. MTBE	U	V+	µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
43. Naphthalene	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
44. n-Propylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
45. Styrene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	09/14/21	VI21I14A	09/14/21 14:30	VI21I14A	ANB
48. Tetrachloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
49. Toluene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
‡ 52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
53. Trichloroethene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
54. Trichlorofluoromethane	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
‡ 56. 1,2,3-Trimethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
59. Vinyl Chloride	U	V+	µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
60. m&p-Xylene	U		µg/L	2.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
61. o-Xylene	U		µg/L	1.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC
‡ 62. Xylenes	U		µg/L	3.0	1.0	09/13/21	VM21I13B	09/14/21 02:59	VM21I13B	BRC

Definitions/ Qualifiers:

A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
M: Modified Method
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
***:** Value reported is outside QC limits

Exception Summary:

V+ : Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.

Analysis Locations:

All analyses performed in Holt.

Accreditation Number(s):

T104704518-19-8 (TX)

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 196207
PAGE 1 of 1

Client Name: BUDI
Contact Person: Annika Whitcomb, Renee Pewitt
Project Name/ Number: Dowell Landfill / 1941688.20
Email distribution list: rpewitt@bldi.com, juliav@bldi.com, willb@bldi.com
Quote#
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PARAMETERS: VOCs	HOLD SAMPLE
9/9/21	1342		MW-8	GW	3	X	
	1026		MW-9	X	X		
	1115		MW-10				
	1430		MW-11				
	1530		MW-12				
	1530		MW-12 DUP				X Hold Run
	1301		MW-3DD				
	1540		field blank				X Hold
	0945		pump blank (before)				X ~~Hold~~ Run
	1550		pump blank (after)	↓	↓	↓	X ~~Hold~~ Run

Matrix Code: S Soil; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Deliverables: Level 2; Level 3; Level 4; EDD

Remarks: Received By Lab 10 SEP 13 2021 Initials: PG

Comments:

Sampled/Relinquished By:	Date/ Time 9/10/21 9:53	Received By: 9-10-21 @ 1234
Relinquished By:	Date/ Time 9-10-21 17:35	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days X 4 bus. days

_____5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: A03923

Temperature upon receipt at Lab: 3.0°C

Received On

Please see back for terms and conditions

APPENDIX B

Soil Boring Logs

BLDI

BLDI Environmental Engineering | *Working for you*

Boring Method:	**Hollow Stem Auger to EOB**		**Boring ID:** **MW-8**		**Project # :** **194688.20**
					Address : **Ware Road, Lowell, MI**
					Driller : **Pearsons Drilling**
BLDI Staff:	**ALW/RMK**	PID Scan	Depth	USDA ID	Material Description & Notes
Date:	**4/27/2021**	NA			Topsoil
Groundwater and Well Data		NA	1		
Depth to GW:	63'	NA		NA	
Boring Caved @:	NA	NA	2		
Pipe Type:	PVC	NA			
Length:	65'	NA	3		
Above Ground:	3'	0.0			
Cap Type:	J-plug	0.0	4	S	Fine to medium grained, pale brown, dry, no odor
Screen Type:	PVC	0.0			
Size:	5' x 2" diameter	0.0	5		
Slot:	0.01"	NA			
Screen Depth:	65-70' bgs	NA	6		
Sand Pack:	62-65' bgs	NA		NA	
Ben-Seal:	60-62' bgs	NA	7		
Grout Type:	Liquid grout to 0.5' bgs	NA			
Casing Type:	Steel above ground	NA	8		
Decon Type:		0.0			
Standard pressure wash		0.0	9	S	Fine to medium grained, pale brown, dry, no oder
Development:		0.0			
Purge until clear		0.0	10		
Abandoned w/:		NA			
NA		NA	11		
Weather:	Sunny, 70°F	NA		NA	
Ambient PID:	0.0	NA	12		
PID used:	MiniRAE 3000	NA			
Sample interval/time and other notes:		NA	13		
4.5-5' @ 8:10		0.0			
14.5-15 @ 8:17		0.0	14	S	SAA
		0.0			
		0.0	15		
		NA			
		NA	16		
		NA		NA	
		NA	17		
		NA			
NA = Not Applicable		NA	18		
Blind drill =		0.0			Fine to coarse grained, gravelly (small), pale brown, dry, no odor
Soil Sample =		0.0	19	S	
Well Screen =		0.0			Fine to medium grained, pale brown, dry, no odor
SAA = Description same as above		0.0	20		
EOB = End of Boring		Continued on next page			

bgs = below ground surface	Recovery	USDA Codes:		
PID = Photoionization Detector	3-5' = 1.5'	**S** =Sand	**LS** =Loamy Sand	**SI** =Silt
▼ = Depth to water during drilling	8-10' = 2'	**SL** =Sandy Loam	**SCL** =Sandy Clay Loam	**SC** =Sandy Clay
—— = Different primary soil above/below	13-15' = 1.5'	**SIL** =Silty Loam	**SICL** =Silty Clay Loam	**SIC** =Silty Clay
- - - = Same primary soil above/below	18-20' = 1.5'	**L** =Loam	**CL** =Clay Loam	**C** =Clay

BLDI Environmental Engineering | *Working for you*

Boring Method:	**Hollow Stem Auger to EOB**	**Boring ID:**	**MW-8**	**Project # :**	**194688.20**
				Address :	**Ware Road, Lowell, MI**
				Driller :	**Pearsons Drilling**

		PID Scan	Depth	USDA ID	Material Description & Notes
BLDI Staff:	**ALW/RMK**				
Date:	**4/27/2021**	NA			
Groundwater and Well Data		NA	21		
Depth to GW:	63'	NA		NA	
Boring Caved @:	NA	NA	22		
Pipe Type:	PVC	NA			
Length:	65'	NA	23		
Above Ground:	3'	0.0			Fine to coarse grained, pale brown, dry, no odor
Cap Type:	J-plug	0.0	24	S	
Screen Type:	PVC	0.0			SAA, but fine to medium grained
Size:	5' x 2" diameter	0.0	25		
Slot:	0.01"	NA			
Screen Depth:	65-70' bgs	NA	26		
Sand Pack:	62-65' bgs	NA		NA	
Ben-Seal:	60-62' bgs	NA	27		
Grout Type:	Liquid grout to 0.5' bgs	NA			
Casing Type:	Steel above ground	NA	28		
Decon Type:		0.0			
Standard pressure wash		0.0	29	S	Fine grained, pale brown, dry, no odor
Development:		0.0			
Purge until clear		0.0	30		
Abandoned w/:		NA			
NA		NA	31		
Weather:	Sunny, 70°F	NA		NA	
Ambient PID:	0.0	NA	32		
PID used:	MiniRAE 3000	NA			
Sample interval/time and other notes:		NA	33		
24.5-25 @ 8:29		0.0			
34.5-35 @ 8:38		0.0	34	S	Fine to medium grained, pale brown, dry, no odor
		0.0			
		0.0	35		SAA, but fine grained
		NA			
		NA	36		
		NA		NA	
		NA	37		
		NA			
NA = Not Applicable		NA	38		
Blind drill =		0.0			
Soil Sample =		0.0	39	S	Fine grained, pale brown, dry, no odor
Well Screen =		0.0			
SAA = Description same as above		0.0	40		
EOB = End of Boring					Continued on next page

bgs = below ground surface	Recovery	USDA Codes:		
PID = Photoionization Detector	23-25' = 1.5'	**S** =Sand	**LS** =Loamy Sand	**SI** =Silt
▼ = Depth to water during drilling	28-30' = 1.5'	**SL** =Sandy Loam	**SCL** =Sandy Clay Loam	**SC** =Sandy Clay
—— = Different primary soil above/below	33-35' = 1.5'	**SIL** =Silty Loam	**SICL** =Silty Clay Loam	**SIC** =Silty Clay
-·-·- = Same primary soil above/below	38-40' = 1'	**L** =Loam	**CL** =Clay Loam	**C** =Clay

BLDI Environmental Engineering | *Working for you*

Boring Method:	**Hollow Stem Auger to EOB**		**Boring ID:** **MW-8**	**Project # :**	**194688.20**
				Address :	**Ware Road, Lowell, MI**
				Driller :	**Pearsons Drilling**
BLDI Staff:	**ALW/RMK**	PID Scan	Depth	USDA ID	Material Description & Notes
Date:	**4/27/2021**	NA		NA	
Groundwater and Well Data		NA	41		
Depth to GW:	63'	NA			
Boring Caved @:	NA	NA	42		
Pipe Type:	PVC	NA			
Length:	65'	NA	43		
Above Ground:	3'	0.0		S	Fine grained, pale brown, dry, no odor
Cap Type:	J-plug	0.0	44		
Screen Type:	PVC	0.0			
Size:	5' x 2" diameter	0.1	45		
Slot:	0.01"	NA		NA	
Screen Depth:	65-70' bgs	NA	46		
Sand Pack:	62-65' bgs	NA			
Ben-Seal:	60-62' bgs	NA	47		
Grout Type:	Liquid grout to 0.5' bgs	NA			
Casing Type:	Steel above ground	NA	48		
Decon Type:		0.0		S	SAA
Standard pressure wash		0.0	49		
Development:		0.0			
Purge until clear		0.1	50		
Abandoned w/:		NA		NA	
NA		NA	51		
Weather:	Sunny, 70°F	NA			
Ambient PID:	0.0	NA	52		
PID used:	MiniRAE 3000	NA			
Sample interval/time and other notes:		NA	53		
44.5-45 @ 8:54		0.0		S	SAA
54.5-55 @ 9:11		0.0	54		
		0.0			
		0.0	55		
		NA		NA	
		NA	56		
		NA			
		NA	57		
		NA			
NA = Not Applicable		NA	58		
Blind drill =		0.0		S	SAA, but moist
Soil Sample =		0.0	59		
Well Screen =		0.0			SAA, but wet
SAA = Description same as above		0.0	60		
EOB = End of Boring		Continued on next page			

bgs = below ground surface	Recovery	USDA Codes:		
PID = Photoionization Detector	43-45' = 1.5'	**S** =Sand	**LS** =Loamy Sand	**SI** =Silt
▼ = Depth to water during drilling	48-50' = 1.5'	**SL** =Sandy Loam	**SCL** =Sandy Clay Loam	**SC** =Sandy Clay
—— = Different primary soil above/below	53-55' = 1.5'	**SIL** =Silty Loam	**SICL** =Silty Clay Loam	**SIC** =Silty Clay
- - - = Same primary soil above/below	58-60' = 1.5'	**L** =Loam	**CL** =Clay Loam	**C** =Clay

BLDI Environmental Engineering | *Working for you*

Boring ID:	**MW-8**	**Project # :**	**194688.20**
		Address :	**Ware Road, Lowell, MI**
Boring Method:	**Hollow Stem Auger to EOB**	**Driller :**	**Pearsons Drilling**

		PID Scan	Depth	USDA ID	Material Description & Notes
BLDI Staff:	**ALW/RMK**				
Date:	**4/27/2021**	NA		NA	
Groundwater and Well Data		NA	61		
Depth to GW:	63'	NA			
Boring Caved @:	NA	NA	62		
Pipe Type:	PVC	NA			
Length:	65'	NA	63 ▼		
Above Ground:	3'	0.0		S	Fine grained, light grayish brown, saturated, no odor
Cap Type:	J-plug	0.0	64		
Screen Type:	PVC	0.0		SI	Light grayish brown, saturated, no odor
Size:	5' x 2" diameter	0.0	65		
Slot:	0.01"	NA		NA	
Screen Depth:	65-70' bgs	NA	66		
Sand Pack:	62-65' bgs	NA			
Ben-Seal:	60-62' bgs	NA	67		
Grout Type:	Liquid grout to 0.5' bgs	NA			
Casing Type:	Steel above ground	NA	68		
Decon Type:		0.0		SIL	Light grayish brown, saturated, no odor
Standard pressure wash		0.0	69		
Development:		0.0		SL	Light grayish brown, saturated, no odor
Purge until clear		0.0	70		
Abandoned w/:					EOB @ 70' bgs
NA			71		
Weather:	Sunny, 70°F				
Ambient PID:	0.0		72		
PID used:	MiniRAE 3000				
Sample interval/time and other notes:			73		
64.5-65 @ 9:31					
69.5-70' @ 9:43			74		
			75		
			76		
			77		
			78		
NA = Not Applicable					
Blind drill =			79		
Soil Sample =					
Well Screen =			80		
SAA = Description same as above					
EOB = End of Boring			81		

bgs = below ground surface	Recovery	USDA Codes:		
PID = Photoionization Detector	63-65' = 2'	**S** =Sand	**LS** =Loamy Sand	**SI** =Silt
▼ = Depth to water during drilling	68-70' = 1.5'	**SL** =Sandy Loam	**SCL** =Sandy Clay Loam	**SC** =Sandy Clay
—— = Different primary soil above/below		**SIL** =Silty Loam	**SICL** =Silty Clay Loam	**SIC** =Silty Clay
–·–·– = Same primary soil above/below		**L** =Loam	**CL** =Clay Loam	**C** =Clay

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Boring Method:	**Hollow Stem Auger to EOB**	**Boring ID:**	**MW-9**	**Project # :**	**194688.20**
				Address :	**Ware Road, Lowell, MI**
				Driller :	**Pearsons Drilling**

		PID Scan	Depth	USDA ID	Material Description & Notes
Date:	**4/26/2021**	NA			Topsoil
Groundwater and Well Data		NA	1		
Depth to GW:	48.5' bgs	NA			
Boring Caved @:	NA	NA	2		
Pipe Type:	PVC	NA		NA	
Length:	74'	NA	3		
Above Ground:	3'	NA			
Cap Type:	J-plug	NA	4		
Screen Type:	PVC	NA			
Size:	5' x 2" diameter	NA	5		
Slot:	0.01"	0.0		S	Fine to medium grained, light brown, dry, no odor
Screen Depth:	74-79' bgs	NA	6		
Sand Pack:	71-83' bgs	NA			
Ben-Seal:	69-71' bgs	NA	7	NA	
Grout Type:	Liquid Grout	NA			
Casing Type:	Steel above ground	NA	8		
Decon Type:		0.0			
Standard pressure wash		0.0	9	S	SAA
Development:		0.0			
Purge until clear		0.0	10		
Abandoned w/:		NA			
NA		NA	11		
Weather:	Overcast, 43°F	NA		NA	
Ambient PID:	0.0	NA	12		
PID used:	MiniRAE 3000	NA			
Sample interval/time and other notes:		NA	13		
5-5.5' @ 10:35		0.0			
14.5-15 @ 10:46		0.0	14	S	SAA
		0.0			
		0.0	15		
		NA			
		NA	16		
		NA		NA	
		NA	17		
		NA			
NA = Not Applicable		NA	18		
Blind drill =		0.0			
Soil Sample =		0.0	19	S	SAA
Well Screen =		0.0			
SAA = Description same as above		0.0	20		
EOB = End of Boring					Continued on next page

bgs = below ground surface	Recovery	USDA Codes:		
PID = Photoionization Detector		**S** =Sand	**LS** =Loamy Sand	**SI** =Silt
▼ = Depth to water during drilling	8-10' = 1'	**SL** =Sandy Loam	**SCL** =Sandy Clay Loam	**SC** =Sandy Clay
—— = Different primary soil above/below	13-15' = 1.5'	**SIL** =Silty Loam	**SICL** =Silty Clay Loam	**SIC** =Silty Clay
- - - = Same primary soil above/below	18-20' = 1.5'	**L** =Loam	**CL** =Clay Loam	**C** =Clay

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Boring Method:	**Hollow Stem Auger to EOB**	**Boring ID:**	**MW-9**	**Project # :**	**194688.20**
				Address :	**Ware Road, Lowell, MI**
				Driller :	**Pearsons Drilling**

		PID Scan	Depth	USDA ID	Material Description & Notes
BLDI Staff:	**ALW/VAS**				
Date:	**4/26/2021**	NA		NA	
Groundwater and Well Data		NA	21		
Depth to GW:	48.5' bgs	NA			
Boring Caved @:	NA	NA	22		
Pipe Type:	PVC	NA			
Length:	74'	NA	23		
Above Ground:	3'	0.0		S	Fine to medium grained, light brown, dry, no odor
Cap Type:	J-plug	0.0	24		
Screen Type:	PVC	0.0			
Size:	5' x 2" diameter	0.0	25		
Slot:	0.01"	NA		NA	
Screen Depth:	74-79' bgs	NA	26		
Sand Pack:	71-83' bgs	NA			
Ben-Seal:	69-71' bgs	NA	27		
Grout Type:	Liquid Grout	NA			
Casing Type:	Steel above ground	NA	28		
Decon Type:		0.0		S	SAA
Standard pressure wash		0.0	29		
Development:		0.0			
Purge until clear		0.0	30		
Abandoned w/:		NA		NA	
NA		NA	31		
Weather:	Overcast, 43°F	NA			
Ambient PID:	0.0	NA	32		
PID used:	MiniRAE 3000	NA			
Sample interval/time and other notes:		NA	33		
28-28.5 @ 11:04		0.0		S	SAA
34.5-35' @ 11:11		0.0	34		
		0.0			
		0.0	35		
		NA		NA	
		NA	36		
		NA			
		NA	37		
		NA			
NA = Not Applicable		NA	38		
Blind drill =		0.0		S	SAA
Soil Sample =		0.0	39		
Well Screen =		0.0			
SAA = Description same as above		0.0	40		
EOB = End of Boring					

Continued on next page

bgs = below ground surface

PID = Photoionization Detector

▼ = Depth to water during drilling

—— = Different primary soil above/below

– – – = Same primary soil above/below

Recovery
23-25' < 1'
28-30' = 1.5'
33-35' = 1.5'
38-40' = 1'

USDA Codes:		
S =Sand	**LS** =Loamy Sand	**SI** =Silt
SL =Sandy Loam	**SCL** =Sandy Clay Loam	**SC** =Sandy Clay
SIL =Silty Loam	**SICL** =Silty Clay Loam	**SIC** =Silty Clay
L =Loam	**CL** =Clay Loam	**C** =Clay

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Boring ID:	**MW-9**	**Project # :**	**194688.20**
		Address :	**Ware Road, Lowell, MI**
Boring Method:	**Hollow Stem Auger to EOB**	**Driller :**	**Pearsons Drilling**

		PID Scan	Depth	USDA ID	Material Description & Notes
BLDI Staff:	**ALW/VAS**				
Date:	**4/26/2021**	NA		NA	
Groundwater and Well Data		NA	41		
Depth to GW:	48.5' bgs	NA			
Boring Caved @:	NA	NA	42		
Pipe Type:	PVC	NA			
Length:	74'	NA	43		
Above Ground:	3'	0.0		S	Fine grained, light brown, dry, no odor
Cap Type:	J-plug	0.0	44		
Screen Type:	PVC	0.0			
Size:	5' x 2" diameter	0.0	45		
Slot:	0.01"	NA		NA	
Screen Depth:	74-79' bgs	NA	46		
Sand Pack:	71-83' bgs	NA			
Ben-Seal:	69-71' bgs	NA	47		
Grout Type:	Liquid Grout	NA			
Casing Type:	Steel above ground	NA	48		
Decon Type:		0.0	▼	S	Fine to medium grained, brown, wet, no odor
Standard pressure wash		0.0	49		SAA, but saturated
Development:		0.0			
Purge until clear		0.0	50		
Abandoned w/:		NA		NA	
NA		NA	51		
Weather:	Overcast, 43°F	NA			
Ambient PID:	0.0	NA	52		
PID used:	MiniRAE 3000	NA			
Sample interval/time and other notes:		NA	53		
44.5-45 @ 11:29		0.0		S	Fine to medium grained, brown, saturated, no odor
54.5-55 @ 11:49		0.0	54		
		0.0			
		0.0	55		
		NA		NA	
		NA	56		
		NA			
		NA	57		
		NA			
NA = Not Applicable		NA	58		
Blind drill =		0.0		S	SAA
Soil Sample =		0.0	59		
Well Screen =		0.0			
SAA = Description same as above		0.0	60		
EOB = End of Boring		Continued on next page			

bgs = below ground surface

PID = Photoionization Detector

▼ = Depth to water during drilling

—— = Different primary soil above/below

– – – = Same primary soil above/below

Recovery
43-45' = 1.5'
48-50' = 1.5'
53-55' = 1.5'
58-60' = 2'

USDA Codes:		
S =Sand	**LS** =Loamy Sand	**SI** =Silt
SL =Sandy Loam	**SCL** =Sandy Clay Loam	**SC** =Sandy Clay
SIL =Silty Loam	**SICL** =Silty Clay Loam	**SIC** =Silty Clay
L =Loam	**CL** =Clay Loam	**C** =Clay

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Boring Method:	**Hollow Stem Auger to EOB**	**Boring ID:**	**MW-9**	**Project # :**	**194688.20**
				Address :	**Ware Road, Lowell, MI**
				Driller :	**Pearsons Drilling**

		PID Scan	Depth	USDA ID	Material Description & Notes
BLDI Staff:	**ALW/VAS**				
Date:	**4/26/2021**	NA			
Groundwater and Well Data		NA	61		
Depth to GW:	48.5' bgs	NA		NA	
Boring Caved @:	NA	NA	62		
Pipe Type:	PVC	NA			
Length:	74'	NA	63		
Above Ground:	3'	0.0			
Cap Type:	J-plug	0.0	64	S	SAA
Screen Type:	PVC	0.0			
Size:	5' x 2" diameter	0.0	65		
Slot:	0.01"	NA			
Screen Depth:	74-79' bgs	NA	66		
Sand Pack:	71-83' bgs	NA		NA	
Ben-Seal:	69-71' bgs	NA	67		
Grout Type:	Liquid Grout	NA			
Casing Type:	Steel above ground	NA	68		
Decon Type:		0			
Standard pressure wash		0.0	69	S	SAA
Development:		0.0			
Purge until clear		0.0	70		
Abandoned w/:		NA			
NA		NA	71		
Weather:	Overcast, 43°F	NA		NA	
Ambient PID:	0.0	NA	72		
PID used:	MiniRAE 3000	NA			
Sample interval/time and other notes:		NA	73		
64.5-65' @ 12:24		0.0			
74.5-75' @ 13:08		0.0	74	S	SAA
79.5-80' @ 13:26		0.0			
		0.0	75		
		NA			
		NA	76		
		NA		NA	
		NA	77		
		NA			
		NA	78		
NA = Not Applicable		0.0			
Blind drill =		0.0	79	S	SAA
Soil Sample =		0.0			
Well Screen =		0.0	80		
SAA = Description same as above					EOB @ 80' bgs
EOB = End of Boring			81		

bgs = below ground surface

PID = Photoionization Detector

▼ = Depth to water during drilling

—— = Different primary soil above/below

–·–·– = Same primary soil above/below

Recovery
63-65' = 2'
68-70' = 2'
70-72' = 2'
78-80' = 2'

USDA Codes:		
S =Sand	**LS** =Loamy Sand	**SI** =Silt
SL =Sandy Loam	**SCL** =Sandy Clay Loam	**SC** =Sandy Clay
SIL =Silty Loam	**SICL** =Silty Clay Loam	**SIC** =Silty Clay
L =Loam	**CL** =Clay Loam	**C** =Clay

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Boring Method:	**Hollow Stem Auger to EOB**	**Boring ID:**	**MW-10**	**Project # :**	**194688.20**
				Address :	**Ware Road, Lowell, MI**
				Driller :	**Pearsons Drilling**

BLDI Staff:	**RMK**	PID Scan	Depth	USDA ID	Material Description & Notes
Date:	**4/28-29/2021***	NA			Topsoil
Groundwater and Well Data		NA	1		
Depth to GW:	68'	NA		NA	
Boring Caved @:	NA	NA	2		
Pipe Type:	PVC	NA			
Length:	97'	NA	3		
Above Ground:	3'	0.1			
Cap Type:	J-plug	0.1	4	S	Fine to medium grained, light brown, slightly moist, no odor
Screen Type:	PVC	0.1			
Size:	5' x 2" diameter	0.1	5		
Slot:	0.01"	NA			
Screen Depth:	97-102' bgs	NA	6		
Sand Pack:	95-97' bgs	NA		NA	
Ben-Seal:	93-95' bgs	NA	7		
Grout Type:	Liquid Grout	NA			
Casing Type:	Steel above ground	NA	8		
Decon Type:		0.1		SL	Fine grained, light brown, slightly moist, no odor
Standard pressure wash		0.0	9		
Development:		0.0		S	Fine to medium grained, brown, slightly moist, no odor
Purge until clear		0.1	10		
Abandoned w/:		NA			
NA		NA	11		
Weather:	Partly cloudy, rain, 40-60°F	NA		NA	
Ambient PID:	0.0 - 0.1	NA	12		
PID used:	MiniRAE 3000	NA			
Sample interval/time and other notes:		NA	13		
4.5-5' @ 1450		0.1			
14.5-15 @ 15:00		0.0	14	S	SAA
		0.1			
		0.1	15		
		NA			
*Drillers stopped at 70' bgs on 4/28 and resumed drilling 4/29 from 70' bgs to EOB at 102' bgs.		NA	16		
		NA		NA	
		NA	17		
		NA			
NA = Not Applicable		NA	18		
Blind drill =		0.1			
Soil Sample =		0.1	19	S	Fine to medium grained, pale brown, slightly moist, no odor
Well Screen =		0.1			
SAA = Description same as above		0.1	20		
EOB = End of Boring		Continued on next page			

bgs = below ground surface

PID = Photoionization Detector

▼ = Depth to water during drilling

—— = Different primary soil above/below

-·-·- = Same primary soil above/below

Recovery
3-5' = 2'
8-10' = 2'
13-15' = 2'
18-20' = 1.5'

USDA Codes:		
S =Sand	**LS** =Loamy Sand	**SI** =Silt
SL =Sandy Loam	**SCL** =Sandy Clay Loam	**SC** =Sandy Clay
SIL =Silty Loam	**SICL** =Silty Clay Loam	**SIC** =Silty Clay
L =Loam	**CL** =Clay Loam	**C** =Clay

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Boring Method:	**Hollow Stem Auger to EOB**	**Boring ID:**	**MW-10**	**Project # :**	**194688.20**
				Address :	**Ware Road, Lowell, MI**
				Driller :	**Pearsons Drilling**

		PID Scan	Depth	USDA ID	Material Description & Notes
Date:	**4/28-29/2021***	NA			
Groundwater and Well Data		NA	21		
Depth to GW:	68'	NA		NA	
Boring Caved @:	NA	NA	22		
Pipe Type:	PVC	NA			
Length:	97'	NA	23		
Above Ground:	3'	0.1			
Cap Type:	J-plug	0.1	24	S	Fine to medium grained, pale brown, dry, no odor
Screen Type:	PVC	0.1			
Size:	5' x 2" diameter	0.1	25		
Slot:	0.01"	NA			
Screen Depth:	97-102' bgs	NA	26		
Sand Pack:	95-97' bgs	NA		NA	
Ben-Seal:	93-95' bgs	NA	27		
Grout Type:	Liquid Grout	NA			
Casing Type:	Steel above ground	NA	28		
Decon Type:		0.1			
Standard pressure wash		0.1	29	S	SAA
Development:		0.1			
Purge until clear		0.1	30		
Abandoned w/:		NA			
NA		NA	31		
Weather:	Partly cloudy, rain, 40-60°F	NA		NA	
Ambient PID:	0.0 - 0.1	NA	32		
PID used:	MiniRAE 3000	NA			
Sample interval/time and other notes:		NA	33		
24.5-25' @ 15:08		0.1			
34.5-35' @ 15:18		0.1	34	S	SAA
		0.1			
		0.1	35		
		NA			
*Drillers stopped at 70' bgs on 4/28 and resumed drilling 4/29 from 70' bgs to EOB at 102' bgs.		NA	36		
		NA		NA	
		NA	37		
		NA			
NA = Not Applicable		NA	38		
Blind drill =		0.1			
Soil Sample =		0.1	39	S	SAA
Well Screen =		0.1			
SAA = Description same as above		0.1	40		
EOB = End of Boring		Continued on next page			

bgs = below ground surface	Recovery	USDA Codes:		
PID = Photoionization Detector	23-25' = 1'	**S** =Sand	**LS** =Loamy Sand	**SI** =Silt
▼ = Depth to water during drilling	28-30' = 1.5'	**SL** =Sandy Loam	**SCL** =Sandy Clay Loam	**SC** =Sandy Clay
—— = Different primary soil above/below	33-35' = 1.5'	**SIL** =Silty Loam	**SICL** =Silty Clay Loam	**SIC** =Silty Clay
-·-·- = Same primary soil above/below	38-40' = 1.5'	**L** =Loam	**CL** =Clay Loam	**C** =Clay

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Boring Method:	**Hollow Stem Auger to EOB**	**Boring ID:**	**MW-10**	**Project # :**	**194688.20**
				Address :	**Ware Road, Lowell, MI**
				Driller :	**Pearsons Drilling**

BLDI Staff:	**RMK**	PID Scan	Depth	USDA ID	Material Description & Notes
Date:	**4/28-29/2021***	NA			
Groundwater and Well Data		NA	41		
Depth to GW:	68'	NA		NA	
Boring Caved @:	NA	NA	42		
Pipe Type:	PVC	NA			
Length:	97'	NA	43		
Above Ground:	3'	0.1			
Cap Type:	J-plug	0.1	44	S	Fine grained, pale brown, dry, no odor
Screen Type:	PVC	0.1			
Size:	5' x 2" diameter	0.1	45		
Slot:	0.01"	NA			
Screen Depth:	97-102' bgs	NA	46		
Sand Pack:	95-97' bgs	NA		NA	
Ben-Seal:	93-95' bgs	NA	47		
Grout Type:	Liquid Grout	NA			
Casing Type:	Steel above ground	NA	48		
Decon Type:		0.1			
Standard pressure wash		0.1	49	S	SAA
Development:		0.1			
Purge until clear		0.1	50		
Abandoned w/:		NA			
NA		NA	51		
Weather:	Partly cloudy, rain, 40-60°F	NA		NA	
Ambient PID:	0.0 - 0.1	NA	52		
PID used:	MiniRAE 3000	NA			
Sample interval/time and other notes:		NA	53		
44.5-45 @ 15:33		0.1			
54.5-55 @ 15:49		0.1	54	S	SAA
		0.1			
		0.1	55		
		NA			
*Drillers stopped at 70' bgs on 4/28 and resumed drilling 4/29 from 70' bgs to EOB at 102' bgs.		NA	56		
		NA		NA	
		NA	57		
		NA			
NA = Not Applicable		NA	58		
Blind drill =		0.1			
Soil Sample =		0.1	59	S	SAA
Well Screen =		0.1			
SAA = Description same as above		0.1	60		
EOB = End of Boring		Continued on next page			

bgs = below ground surface

PID = Photoionization Detector

▼ = Depth to water during drilling

—— = Different primary soil above/below

- - - - = Same primary soil above/below

Recovery
43-45' = 1.5'
48-50' = 1.5'
53-55' = 1.5'
58-60' = 1.5'

USDA Codes:		
S =Sand	**LS** =Loamy Sand	**SI** =Silt
SL =Sandy Loam	**SCL** =Sandy Clay Loam	**SC** =Sandy Clay
SIL =Silty Loam	**SICL** =Silty Clay Loam	**SIC** =Silty Clay
L =Loam	**CL** =Clay Loam	**C** =Clay

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Boring Method:	**Hollow Stem Auger to EOB**	**Boring ID:**	**MW-10**	**Project # :**	**194688.20**
				Address :	**Ware Road, Lowell, MI**
				Driller :	**Pearsons Drilling**

BLDI Staff:	**RMK**	PID Scan	Depth	USDA ID	Material Description & Notes
Date:	**4/28-29/2021***	NA			
Groundwater and Well Data		NA	61		
Depth to GW:	68'	NA		NA	
Boring Caved @:	NA	NA	62		
Pipe Type:	PVC	NA			
Length:	97'	NA	63		
Above Ground:	3'	0.2			
Cap Type:	J-plug	0.1	64	S	Fine grained, pale brown, dry, no odor
Screen Type:	PVC	0.1			
Size:	5' x 2" diameter	0.2	65		
Slot:	0.01"	NA			
Screen Depth:	97-102' bgs	NA	66		
Sand Pack:	95-97' bgs	NA		NA	
Ben-Seal:	93-95' bgs	NA	67		
Grout Type:	Liquid Grout	NA			
Casing Type:	Steel above ground	NA	68 ▼		
Decon Type:		0.1			
Standard pressure wash		0.1	69	S	Fine to medium grained, brown, saturated, no odor
Development:		0.1			
Purge until clear		0.1	70		
Abandoned w/:		NA			
NA		NA	71		
Weather:	Partly cloudy, rain, 40-60°F	NA		NA	
Ambient PID:	0.0 - 0.1	NA	72		
PID used:	MiniRAE 3000	NA			
Sample interval/time and other notes:		NA	73		
64.5-65 @ 16:11		0.0			
74.5-75 @ 9:36		0.0	74	S	SAA, but fine grained
		0.0			
		0.0	75		
		NA			
*Drillers stopped at 70' bgs on 4/28 and resumed drilling 4/29 from 70' bgs to EOB at 102' bgs.		NA	76		
		NA		NA	
		NA	77		
		NA			
NA = Not Applicable		NA	78		
Blind drill =		0.0			
Soil Sample =		0.0	79	S	SAA
Well Screen =		0.0			
SAA = Description same as above		0.0	80		
EOB = End of Boring		Continued on next page			

bgs = below ground surface	Recovery	USDA Codes:		
PID = Photoionization Detector	63-65' = 1.5'	**S** =Sand	**LS** =Loamy Sand	**SI** =Silt
▼ = Depth to water during drilling	68-70' = 1.5	**SL** =Sandy Loam	**SCL** =Sandy Clay Loam	**SC** =Sandy Clay
—— = Different primary soil above/below	73-75' = 2'	**SIL** =Silty Loam	**SICL** =Silty Clay Loam	**SIC** =Silty Clay
- - - - = Same primary soil above/below	78-80' = 2	**L** =Loam	**CL** =Clay Loam	**C** =Clay

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Boring Method:	**Hollow Stem Auger to EOB**	**Boring ID:**	**MW-10**	**Project # :**	**194688.20**
				Address :	**Ware Road, Lowell, MI**
				Driller :	**Pearsons Drilling**

BLDI Staff:	**RMK**	PID Scan	Depth	USDA ID	Material Description & Notes
Date:	**4/28-29/2021***	NA			
Groundwater and Well Data		NA	81		
Depth to GW:	68'	NA		NA	
Boring Caved @:	NA	NA	82		
Pipe Type:	PVC	NA			
Length:	97'	NA	83		
Above Ground:	3'	0.0			
Cap Type:	J-plug	0.0	84	S	Fine grained, brown, saturated, no odor
Screen Type:	PVC	0.0			
Size:	5' x 2" diameter	0.0	85		
Slot:	0.01"	NA			
Screen Depth:	97-102' bgs	NA	86		
Sand Pack:	95-97' bgs	NA		NA	
Ben-Seal:	93-95' bgs	NA	87		
Grout Type:	Liquid Grout	NA			
Casing Type:	Steel above ground	NA	88		
Decon Type:		0.0			
Standard pressure wash		0.0	89	S	SAA
Development:		0.0			
Purge until clear		0.0	90		
Abandoned w/:		NA			
NA		NA	91		
Weather:	Partly cloudy, rain, 40-60°F	NA		NA	
Ambient PID:	0.0 - 0.1	NA	92		
PID used:	MiniRAE 3000	NA			
Sample interval/time and other notes:		NA	93		
84.5-85' @ 10:10		0.0			
94.5-95' @ 10:41		0.0	94	S	SAA
99.5-100' @ 11:22		0.0			
		0.0	95		
		NA			
*Drillers stopped at 70' bgs on 4/28 and resumed drilling 4/29 from 70' bgs to EOB at 102' bgs.		NA	96		
		NA		NA	
		NA	97		
		NA			
NA = Not Applicable		NA	98		
Blind drill =		0.0			
Soil Sample =		0.0	99	S	SAA
Well Screen =		0.0			
SAA = Description same as above		0.0	100		
EOB = End of Boring					Continued on next page

bgs = below ground surface

PID = Photoionization Detector

▼ = Depth to water during drilling

—— = Different primary soil above/below

- - - - = Same primary soil above/below

Recovery
83-85' = 1'
88-90' = 1.5'
93-95' = 1'
98-100' = 1.5'

USDA Codes:		
S =Sand	**LS** =Loamy Sand	**SI** =Silt
SL =Sandy Loam	**SCL** =Sandy Clay Loam	**SC** =Sandy Clay
SIL =Silty Loam	**SICL** =Silty Clay Loam	**SIC** =Silty Clay
L =Loam	**CL** =Clay Loam	**C** =Clay

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Boring Method:	**Hollow Stem Auger to EOB**	**Boring ID:** **MW-10**	**Project # :** **194688.20**
			Address : **Ware Road, Lowell, MI**
			Driller : **Pearsons Drilling**

		PID Scan	Depth	USDA ID	Material Description & Notes
Date:	**4/28-29/2021***	NA			
Groundwater and Well Data		NA	101	NA	
Depth to GW:	68'	NA			
Boring Caved @:	NA	NA	102		
Pipe Type:	PVC				EOB @ 102' bgs
Length:	97'		103		
Above Ground:	3'				
Cap Type:	J-plug		104		
Screen Type:	PVC				
Size:	5' x 2" diameter		105		
Slot:	0.01"				
Screen Depth:	97-102' bgs		106		
Sand Pack:	95-97' bgs				
Ben-Seal:	93-95' bgs		107		
Grout Type:	Liquid Grout				
Casing Type:	Steel above ground		108		
Decon Type:					
Standard pressure wash			109		
Development:					
Purge until clear			110		
Abandoned w/:					
NA			111		
Weather:	Partly cloudy, rain, 40-60°F				
Ambient PID:	0.0 - 0.1		112		
PID used:	MiniRAE 3000				
Sample interval/time and other notes:			113		
			114		
			115		
*Drillers stopped at 70' bgs on 4/28 and resumed drilling 4/29 from 70' bgs to EOB at 102' bgs.			116		
			117		
NA = Not Applicable			118		
Blind drill =					
Soil Sample =			119		
Well Screen =					
SAA = Description same as above			120		
EOB = End of Boring					

bgs = below ground surface	Recovery	USDA Codes:		
PID = Photoionization Detector		**S** =Sand	**LS** =Loamy Sand	**SI** =Silt
▼ = Depth to water during drilling		**SL** =Sandy Loam	**SCL** =Sandy Clay Loam	**SC** =Sandy Clay
—— = Different primary soil above/below		**SIL** =Silty Loam	**SICL** =Silty Clay Loam	**SIC** =Silty Clay
- - - = Same primary soil above/below		**L** =Loam	**CL** =Clay Loam	**C** =Clay

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Boring Method:	**Hollow Stem Auger to EOB**		**Boring ID:** **MW-11**	**Project # :**	**194688.20**
				Address :	**Ware Road, Lowell, MI**
				Driller :	**Pearsons Drilling**
BLDI Staff:	**ALW/RMK**	PID Scan	Depth	USDA ID	Material Description & Notes
Date:	**4/27/2021**	NA			Topsoil
Groundwater and Well Data		NA	1	NA	
Depth to GW:	68' bgs	NA			
Boring Caved @:	NA	NA	2		
Pipe Type:	PVC	NA			
Length:	67' bgs	NA	3		
Above Ground:	3'	0.0		LS	Fine to medium grained, brown, dry, no odor
Cap Type:	J-plug	0.0	4	S	SAA, but light brown
Screen Type:	PVC	0.0			
Size:	5' x 2" diameter	0.0	5		
Slot:	0.01"	NA		NA	
Screen Depth:	67-72' bgs	NA	6		
Sand Pack:	64-67' bgs	NA			
Ben-Seal:	62-64' bgs	NA	7		
Grout Type:	Liquid Grout to 0.5' bgs	NA			
Casing Type:	Steel above ground	NA	8		
Decon Type:		0.0		S	Fine to medium grained, light brown, dry, no odor
Standard pressure wash		0.0	9		
Development:		0.0			
Purge until clear		0.0	10		
Abandoned w/:		NA		NA	
NA		NA	11		
Weather:	Cloudy, 79°F	NA			
Ambient PID:	0.0	NA	12		
PID used:	MiniRAE 3000	NA			
Sample interval/time and other notes:		NA	13		
4.5-5' @ 13:20		0.0		S	SAA
14.5-15' @ 13:27		0.0	14		
		0.0			
		0.0	15		
		NA		NA	
		NA	16		
		NA			
		NA	17		
		NA			
NA = Not Applicable		NA	18		
Blind drill =		0.0		S	SAA, but pale brown
Soil Sample =		0.0	19		
Well Screen =		0.0			
SAA = Description same as above		0.0	20		
EOB = End of Boring		Continued on next page			

bgs = below ground surface	Recovery	USDA Codes:		
PID = Photoionization Detector	3-5' = 1.5'	**S** =Sand	**LS** =Loamy Sand	**SI** =Silt
▼ = Depth to water during drilling	8-10' = 1.5'	**SL** =Sandy Loam	**SCL** =Sandy Clay Loam	**SC** =Sandy Clay
—— = Different primary soil above/below	13-15' = 1.5'	**SIL** =Silty Loam	**SICL** =Silty Clay Loam	**SIC** =Silty Clay
- - - = Same primary soil above/below	18-20' = 1.5'	**L** =Loam	**CL** =Clay Loam	**C** =Clay

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Boring Method:	**Hollow Stem Auger to EOB**	**Boring ID:**	**MW-11**	**Project # :**	**194688.20**
				Address :	**Ware Road, Lowell, MI**
				Driller :	**Pearsons Drilling**

		PID Scan	Depth	USDA ID	Material Description & Notes
Date:	**4/27/2021**	NA			
Groundwater and Well Data		NA	21		
Depth to GW:	68' bgs	NA		NA	
Boring Caved @:	NA	NA	22		
Pipe Type:	PVC	NA			
Length:	67' bgs	NA	23		
Above Ground:	3'	0.0			
Cap Type:	J-plug	0.0	24	S	Fine to medium grained, pale brown, dry, no odor
Screen Type:	PVC	0.0			
Size:	5' x 2" diameter	0.0	25		
Slot:	0.01"	NA			
Screen Depth:	67-72' bgs	NA	26		
Sand Pack:	64-67' bgs	NA		NA	
Ben-Seal:	62-64' bgs	NA	27		
Grout Type:	Liquid Grout to 0.5' bgs	NA			
Casing Type:	Steel above ground	NA	28		
Decon Type:		0.0			
Standard pressure wash		0.0	29	S	SAA
Development:		0.0			
Purge until clear		0.0	30		
Abandoned w/:		NA			
NA		NA	31		
Weather:	Cloudy, 79°F	NA		NA	
Ambient PID:	0.0	NA	32		
PID used:	MiniRAE 3000	NA			
Sample interval/time and other notes:		NA	33		
24.5-25' @ 13:35		0.0			
34.5-35' @ 13:47		0.0	34	S	SAA
		0.0			
		0.0	35		
		NA			
		NA	36		
		NA		NA	
		NA	37		
		NA			
NA = Not Applicable		NA	38		
Blind drill =		0.0		S	SAA
Soil Sample =		0.0	39		
Well Screen =		0.0		SCL	Fne to medium grained, light brown, moist, no odor
SAA = Description same as above		0.0	40	S	Fine to medium grained, light brown, moist, no odor
EOB = End of Boring					Continued on next page

bgs = below ground surface	Recovery	USDA Codes:		
PID = Photoionization Detector	23-25' = 1.5'	**S** =Sand	**LS** =Loamy Sand	**SI** =Silt
▼ = Depth to water during drilling	28-30' = 1.5'	**SL** =Sandy Loam	**SCL** =Sandy Clay Loam	**SC** =Sandy Clay
—— = Different primary soil above/below	33-35' = 1.5'	**SIL** =Silty Loam	**SICL** =Silty Clay Loam	**SIC** =Silty Clay
- - - = Same primary soil above/below	38-40' = 1.5'	**L** =Loam	**CL** =Clay Loam	**C** =Clay

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Boring Method:	**Hollow Stem Auger to EOB**	**Boring ID:**	**MW-11**	**Project # :**	**194688.20**
				Address :	**Ware Road, Lowell, MI**
				Driller :	**Pearsons Drilling**

		PID Scan	Depth	USDA ID	Material Description & Notes
BLDI Staff:	**ALW/RMK**				
Date:	**4/27/2021**	NA		NA	
Groundwater and Well Data		NA	41		
Depth to GW:	68' bgs	NA			
Boring Caved @:	NA	NA	42		
Pipe Type:	PVC	NA			
Length:	67' bgs	NA	43		
Above Ground:	3'	0.2		S	Fine to medium grained, light brown, moist, no odor
Cap Type:	J-plug	0.0	44		
Screen Type:	PVC	0.0		SIC	Light brown, dry, no odor
Size:	5' x 2" diameter	0.0	45	S	Fine to medium grained, pale brown, dry, no odor
Slot:	0.01"	NA		NA	
Screen Depth:	67-72' bgs	NA	46		
Sand Pack:	64-67' bgs	NA			
Ben-Seal:	62-64' bgs	NA	47		
Grout Type:	Liquid Grout to 0.5' bgs	NA			
Casing Type:	Steel above ground	NA	48		
Decon Type:		0.7		S	SAA
Standard pressure wash		0.1	49	SIC	Light brown, dry, no odor
Development:		0.0			
Purge until clear		0.0	50	SI	Light brown, dry, no odor
Abandoned w/:		NA		NA	
NA		NA	51		
Weather:	Cloudy, 79°F	NA			
Ambient PID:	0.0	NA	52		
PID used:	MiniRAE 3000	NA			
Sample interval/time and other notes:		NA	53		
43-43.5' @ 14:01		0.0		S	Fine grained, pale brown, dry, no odor
48-48.5' @ 14:10		0.0	54		
54.5-55' @ 14:20		0.0			
		0.0	55		
		NA		NA	
		NA	56		
		NA			
		NA	57		
		NA			
NA = Not Applicable		NA	58		
Blind drill =		0.0		S	SAA
Soil Sample =		0.0	59		
Well Screen =		0.0			
SAA = Description same as above		0.0	60		
EOB = End of Boring					

Continued on next page

bgs = below ground surface

PID = Photoionization Detector

▼ = Depth to water during drilling

—— = Different primary soil above/below

– – – = Same primary soil above/below

Recovery
43-45' = 2'
48-50' = 2'
53-55' = 1'
58-60' = 1.5'

USDA Codes:		
S =Sand	**LS** =Loamy Sand	**SI** =Silt
SL =Sandy Loam	**SCL** =Sandy Clay Loam	**SC** =Sandy Clay
SIL =Silty Loam	**SICL** =Silty Clay Loam	**SIC** =Silty Clay
L =Loam	**CL** =Clay Loam	**C** =Clay

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Boring ID:	**MW-11**	**Project # :**	**194688.20**
		Address :	**Ware Road, Lowell, MI**
Boring Method:	**Hollow Stem Auger to EOB**	**Driller :**	**Pearsons Drilling**

		PID Scan	Depth	USDA ID	Material Description & Notes
BLDI Staff:	**ALW/RMK**				
Date:	**4/27/2021**	NA		NA	
Groundwater and Well Data		NA	61		
Depth to GW:	68' bgs	NA			
Boring Caved @:	NA	NA	62		
Pipe Type:	PVC	NA			
Length:	67' bgs	NA	63		
Above Ground:	3'	0.0		S	Fine grained, pale brown, dry, no odor
Cap Type:	J-plug	0.0	64		
Screen Type:	PVC	0.0			
Size:	5' x 2" diameter	0.0	65		
Slot:	0.01"	NA		NA	
Screen Depth:	67-72' bgs	NA	66		
Sand Pack:	64-67' bgs	NA			
Ben-Seal:	62-64' bgs	NA	67		
Grout Type:	Liquid Grout to 0.5' bgs	NA			
Casing Type:	Steel above ground	NA	68 ▼		
Decon Type:		0.0		S	Fine grained, light brown, saturated, no odor
Standard pressure wash		0.0	69		
Development:		0.0			
Purge until clear		0.0	70		
Abandoned w/:		NA		NA	
NA		NA	71		
Weather:	Cloudy, 79°F	NA			
Ambient PID:	0.0	NA	72		
PID used:	MiniRAE 3000	NA			
Sample interval/time and other notes:		NA	73		
64.5-65' @ 14:36		0.0		S	SAA
69.5-70' @ 14:48		0.0	74		
79.5-80' @ 15:50		0.0		SI	Light brown, saturated, no odor
		0.0	75		
		NA		NA	
		NA	76		
		NA			
		NA	77		
		NA			
		NA	78		
NA = Not Applicable		0.0		SIC	Gray, moist, no odor
Blind drill =		0.0	79		
Soil Sample =		0.0			
Well Screen =		0.0	80		
SAA = Description same as above					EOB @ 80' bgs
EOB = End of Boring			81		

bgs = below ground surface

PID = Photoionization Detector

▼ = Depth to water during drilling

—— = Different primary soil above/below

–·–·– = Same primary soil above/below

Recovery
63-65' = NA
68-70' = 1.5'
70-72' = 1.75'
78-80' = 2'

USDA Codes:		
S =Sand	**LS** =Loamy Sand	**SI** =Silt
SL =Sandy Loam	**SCL** =Sandy Clay Loam	**SC** =Sandy Clay
SIL =Silty Loam	**SICL** =Silty Clay Loam	**SIC** =Silty Clay
L =Loam	**CL** =Clay Loam	**C** =Clay

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Boring Method:	**Hollow Stem Auger to EOB**	**Boring ID:**	**MW-12**	**Project # :**	**194688.20**
				Address :	**Ware Road, Lowell, MI**
				Driller :	**Pearsons Drilling**

		PID Scan	Depth	USDA ID	Material Description & Notes
Date:	**4/28/2021**	NA			Topsoil
Groundwater and Well Data		NA	1		
Depth to GW:	33' bgs	NA		NA	
Boring Caved @:	NA	NA	2		
Pipe Type:	PVC	NA			
Length:	35'	NA	3		
Above Ground:	3'	0.3		LS	Fine grained, blackish brown, moist, no odor
Cap Type:	J-plug	0.3	4	SCL	Fine grained, reddish brown, moist, no odor
Screen Type:	PVC	0.0		S	Fine to medium grained, reddish brown, wet, no odor
Size:	5' x 2" diameter	0.0	5		
Slot:	0.01"	NA			
Screen Depth:	35-40' bgs	NA	6		
Sand Pack:	32.5-35' bgs	NA		NA	
Ben-Seal:	30-32.5' bgs	NA	7		
Grout Type:	Liquid Grout to 0.5' bgs	NA			
Casing Type:	Steel above ground	NA	8		
Decon Type:		NA		SCL	Fine grained, reddish brown, moist, no odor
Standard pressure wash		NA	9	SC	Grayish brown, dry, no odor
Development:		NA		S	Fine grained, pale brown, dry, no odor
Purge until clear		NA	10		
Abandoned w/:		NA			
NA		NA	11		
Weather:	Cloudy, 79°F	NA		NA	
Ambient PID:	0.0 - 0.3	NA	12		
PID used:	MiniRAE 3000	NA			
Sample interval/time and other notes:		NA	13		
3-3.5' @ 10:08		0.1		SIC	Reddish brown, moist, no odor
4.5-5' @ 10:05		0.2	14		Fine grained, pale brown, dry, no odor
14.5-15' @ 11:40		0.1		S	SAA, but fine to coarse grained
		0.2	15		
		NA			
		NA	16		
		NA		NA	
		NA	17		
		NA			
NA = Not Applicable		NA	18		
Blind drill =		0.1			
Soil Sample =		0.1	19	SL	Fine grained, brown, moist, no odor
Well Screen =		0.1			
SAA = Description same as above		0.1	20	LS	Fine to medium grained, brown, moist, no odor
EOB = End of Boring					Continued on next page

bgs = below ground surface	Recovery	USDA Codes:		
PID = Photoionization Detector	3-5' = 2'	**S** =Sand	**LS** =Loamy Sand	**SI** =Silt
▼ = Depth to water during drilling	8-10' = 1.75'	**SL** =Sandy Loam	**SCL** =Sandy Clay Loam	**SC** =Sandy Clay
—— = Different primary soil above/below	13-15' = 2'	**SIL** =Silty Loam	**SICL** =Silty Clay Loam	**SIC** =Silty Clay
- - - = Same primary soil above/below	18-20' = 2'	**L** =Loam	**CL** =Clay Loam	**C** =Clay

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Boring Method:	**Hollow Stem Auger to EOB**	**Boring ID:**	**MW-12**	**Project # :**	**194688.20**
				Address :	**Ware Road, Lowell, MI**
				Driller :	**Pearsons Drilling**

		PID Scan	Depth	USDA ID	Material Description & Notes
Date:	**4/28/2021**	NA		NA	
Groundwater and Well Data		NA	21		
Depth to GW:	33'	NA			
Boring Caved @:	NA	NA	22		
Pipe Type:	PVC	NA			
Length:	35'	NA	23		
Above Ground:	3'	3.3		SIC	Reddish brown, moist, no odor
Cap Type:	J-plug	9.3	24		
Screen Type:	PVC	0.2		S	Fine to medium grained, pale brown, dry, no odor
Size:	5' x 2" diameter	0.4	25		
Slot:	0.01"	NA		NA	
Screen Depth:	35-40' bgs	NA	26		
Sand Pack:	32.5-35' bgs	NA			
Ben-Seal:	30-32.5' bgs	NA	27		
Grout Type:	Liquid Grout to 0.5' bgs	NA			
Casing Type:	Steel above ground	NA	28		
Decon Type:		0.3		S	Fine grained, pale brown, moist, no odor
Standard pressure wash		0.3	29		
Development:		0.3			
Purge until clear		0.3	30		
Abandoned w/:		NA		NA	
NA		NA	31		
Weather:	Cloudy, 79°F	NA			
Ambient PID:	0.0 - 0.3	NA	32		
PID used:	MiniRAE 3000	NA			
Sample interval/time and other notes:		NA	33 ▼		
23.5-24' @ 11:59		0.2		S	Fine to medium grained, brown, saturated, no odor
34.5-35' @ 12:13		0.2	34		
39.5-40' @ 12:30		0.2			
		0.2	35		
		NA		NA	
		NA	36		
		NA			
		NA	37		
		NA			
NA = Not Applicable		NA	38		
Blind drill =		0.2		LS	Fine to medium grained, brown, saturated, no odor
Soil Sample =		0.2	39		
Well Screen =		0.2		SIL	Brown, saturated, no odor
SAA = Description same as above		0.2	40		
EOB = End of Boring					EOB @ 40' bgs

bgs = below ground surface

PID = Photoionization Detector

▼ = Depth to water during drilling

—— = Different primary soil above/below

-·-·- = Same primary soil above/below

Recovery
23-25' = 2'
28-30' = 1.25'
33-35' = 1.5'
38-40' = 2'

USDA Codes:		
S =Sand	**LS** =Loamy Sand	**SI** =Silt
SL =Sandy Loam	**SCL** =Sandy Clay Loam	**SC** =Sandy Clay
SIL =Silty Loam	**SICL** =Silty Clay Loam	**SIC** =Silty Clay
L =Loam	**CL** =Clay Loam	**C** =Clay

APPENDIX C

Updated Summary of Proposed Hydrogeological Investigation Workplan

BLDI

Site Status Report

Table 1: Updated Summary of Proposed Hydrogeological Investigation Work Plan

Former Lowell Landfill, 0 Ware Road, Boston Township, Ionia County, Michigan
Confidential: Prepared at the Request of Legal Counsel
Draft: For Review and Comment

Proposed Well ID	General Description	Additional Details
MW-8DD	• Location: Adjacent to MW-8; along the western property boundary. • Purpose: Define the lateral extent of contamination at the MW-3DD location to the west. • The proposed well will be set an elevation similar to that of MW-3DD (top of screen elevation 711.09 feet) equal to a total depth of approximately 89.5 feet bgs depending on topography variances • This well will be blind drilled to a depth equal to MW-8 and then split spoon sample cores will be collected every five feet of depth for assessment of lithology and presence of potential impact below the total depth of MW-8.	• Well will be installed using hollow-stem auger methods • Two-inch diameter five-foot PVC well-screens will be installed • Select soil samples may be collected for laboratory analysis for standard list of analytical parameters
MW-11DD	• Location: Adjacent to MW-11; along the western property boundary. • Purpose: Define the lateral extent of contamination at the MW-3DD location to the north. • The proposed well will be set an elevation similar to that of MW-3DD (top of screen 711.09 feet) equal to a total depth of approximately 89.5 feet bgs depending on topography variances • This well will be blind drilled to a depth equal to MW-11 and then split spoon sample cores will be collected every five feet of depth for assessment of lithology and presence of potential impact below the total depth of MW-11.	• Wells will be installed using hollow-stem auger methods • Two-inch diameter five-foot PVC well-screens will be installed • Select soil samples may be collected for laboratory analysis for standard list of analytical parameters
MW-3DDD	• Location: Adjacent to the MW-3 cluster of wells. • Purpose: Define the vertical extent of contamination at the MW-3 cluster location. • The proposed well will be installed at 10-15[1] feet below that of 3DD • This well will be blind drilled to a depth equal to MW-3DD and then split spoon sample cores will be collected every five feet of depth for assessment of lithology and presence of potential impact below the total depth of MW-3DD.	• Wells will be installed using hollow-stem auger methods • Two-inch diameter five-foot PVC well-screens will be installed • Select soil samples may be collected for laboratory analysis for standard list of analytical parameters

[1] The determination of 10 or 15 feet will be made based on observations during the event and additional elevation/gauging data of the wells

BLDI

Proposed Well ID	General Description	Additional Details
MW-13D MW-13DD	• Location: Step out to the east of MW-1 onto adjoining to east property (11134 Ware Road[2]) • Purpose: Define the lateral and vertical extent of contamination to the east. • The proposed well will be set to an elevation similar to that of MW-1 (top of screen 729.59 feet) estimated to be a depth of approximately 65 feet bgs • Split spoon sample cores will be collected every five feet of depth for assessment of lithology and presence of potential impact	• Wells will be installed using hollow-stem auger methods • Two-inch diameter five-foot PVC well-screens will be installed • Select soil samples may be collected for laboratory analysis for standard list of analytical parameters
MW-14D MW-14DD	• Location: Step out to the northeast of MW-5D onto adjoining to east property (11134 Ware Road) • Purpose: Define the lateral and vertical extent of contamination to the east. • The proposed MW-14D well will be set an elevation similar to that of MW-5D (top of screen 713.72) equal to a total depth of approximately 72 feet bgs depending on topography variances • The proposed MW-14DD will be well will be installed at 10-15[3] feet below that of 14D. For budgeting purposes, a total depth of 92 feet bgs will be utilized. • Split spoon sample cores will be collected every five feet of depth at the DD location for assessment of lithology and presence of potential impact. The other location will be blind drilled.	• Wells will be installed using hollow-stem auger methods • Two-inch diameter five-foot PVC well-screens will be installed • Select soil samples may be collected for laboratory analysis for standard list of analytical parameters
MW-15D MW-15DD	• Location: Step out to the east of MW-5D onto adjoining to east property (11134 Ware Road) • Purpose: Define the lateral and vertical extent of contamination to the east. • The proposed well will be set an elevation similar to that of MW-5D (top of screen 713.72) equal to a total depth of approximately 72 feet bgs depending on topography variances • The proposed MW-15DD well will be installed at 10-15[4] feet below that of 15D. For budgeting purposes, a total depth of 92 feet bgs will be utilized. • Split spoon sample cores will be collected every five feet of depth at the DD location for assessment of lithology and presence of potential impact. The other location will be blind drilled.	• Wells will be installed using hollow-stem auger methods • Two-inch diameter five-foot PVC well-screens will be installed • Select soil samples may be collected for laboratory analysis for standard list of analytical parameters

[2] The proposed off-site sampling is subject to obtaining consent for access from the adjacent property owner.
[3] The determination of 10 or 15 feet will be made based on observations during the event and additional elevation/gauging data of the wells
[4] The determination of 10 or 15 feet will be made based on observations during the event and additional elevation/gauging data of the wells

Proposed Well ID	General Description	Additional Details
MW-16D MW-16DD	• Location: Step out to the east of MW-2D onto adjoining to east property (11134 Ware Road) • Purpose: Define the lateral and vertical extent of contamination to the east. • The proposed well will be set at an elevation similar to that of MW-2D (top of screen 719.77) equal to a total depth of approximately 77 feet bgs depending on topography variances • The proposed MW-16DD well will be installed at 10-15 feet below that of 16D. For budgeting purposes, a total depth of 97 feet bgs will be utilized. • Split spoon sample cores will be collected every five feet of depth at the DD location for assessment of lithology and presence of potential impact. The other location will be blind drilled.	• Wells will be installed using hollow-stem auger methods • Two-inch diameter five-foot PVC well-screens will be installed • Select soil samples may be collected for laboratory analysis for standard list of analytical parameters
MW-17D MW-17DD	• Location: Step out to the east of MW-6S onto adjoining to east property (11134 Ware Road) • Purpose: Define the lateral and vertical extent of contamination to the east. • The proposed well will be set at an elevation to bisect the top of the water tables similar to that of MW-6S. For budgeting purposes a total depth of approximately 70 feet bgs will be used. • The proposed MW-17DD well will be installed similar to the elevation of MW-1. For budgeting purposes, a total depth of 95 feet bgs will be utilized. • Split spoon sample cores will be collected every five feet of depth at the DD location for assessment of lithology and presence of potential impact. The other location will be blind drilled.	• Wells will be installed using hollow-stem auger methods • Two-inch diameter five-foot PVC well-screens will be installed • Select soil samples may be collected for laboratory analysis for standard list of analytical parameters

A total of 13 proposed wells

Proposed Schedule:

Mobilization 3[5] = Install 3DDD, 8DD, 11DD, 13D, 13DD, 14D, 14DD, 15D, 15DD, 16D, 16DD, 17D, 17DD
Note: The proposed off-site sampling including the well clusters 13 through 17 is subject to obtaining consent for access from the adjacent property owner.

[5] Mobilization 1 and 2 occurred in November 2020 (1DD, 5DD, 3DD, 7S, 7D, 18D) and April 2021 (8, 9, 10, 11, 12)